CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Apr. 24	Adams, Mass. Adv. Apr. 13 and 20.	Apr. 13
Apr. 24	Pana, Ill.	Apr. 20
Apr. 24	St. Paul, Minn.	Apr. 20
Apr. 25	De Smet, S. D.	Apr. 6
Apr. 26	Lincoln, Neb.	Apr. 13
Apr. 27	Jacksonville, Fla.	Apr. 20
Apr. 27	Girard, O.	Apr. 20
Apr. 28	Jacksonville, Tex. Adv. Apr. 20.	Apr. 20
Apr. 28	Mission Hill, S. D.	Apr. 20
May 1	Lewistown, Mont.	Apr. 13
May 1	Petrolea, Ont.	Apr. 20
May 1	Honolulu, Hawaii	Apr. 20
May 4	Milwaukee, Wis. Adv. Apr. 20.	Apr. 20
May 8	St. Paul, Minn.	Apr. 13
May 8	Ft. Bragg, Cal.	Apr. 13
May 9	Wabasso, Minn.	Apr. 20
May 15	Euclid, O.	Apr. 20
May 17	Sayreville, N. J. Adv. Apr. 20.	Apr. 20
May 17	Hammond, Ind. Adv. Apr. 20.	Apr. 20

SEWERS

Apr. 25	De Smet, S. D.	Apr. 6
Apr. 25	New York, N. Y.	Apr. 20
Apr. 27	Deer River, Minn.	Apr. 13
Apr. 27	Norfolk, Va.	Apr. 20
Apr. 27	Cleveland, O.	Apr. 20
May 1	Decatur, Ill.	Apr. 6
May 1	Hammond, Ind. Adv. Apr. 13 and 20.	Apr. 13
May 1	Mamaroneck, N. Y. Adv. Apr. 20.	Apr. 20
May 1	South Hill, Va.	Apr. 20
May 4	Mamaroneck, N. Y. Adv. Apr. 20.	Apr. 20
May 9	Springwells, Mich. Adv. Apr. 13 and 20.	Apr. 13
May 15	Euclid, O.	Apr. 20
May 17	Sayreville, N. J. Adv. Apr. 20.	Apr. 20
June 1	Lima, O.	Apr. 13

BRIDGES

Apr. 24	Louisiana	Apr. 13
Apr. 24	Boston, Mass.	Apr. 13
Apr. 24	Bastrop, Tex.	Apr. 13
Apr. 25	Cincinnati, O.	Apr. 6
Apr. 25	North Carolina	Apr. 13
Apr. 25	Monroe, Wis	Apr. 20
Apr. 26	Pillow, Pa.	Apr. 13
Apr. 26	Halifax, Pa.	Apr. 13
Apr. 26	Pecos, Tex.	Apr. 13
Apr. 27	Montezuma, Ia.	Apr. 20
Apr. 28	Seattle, Wash.	Apr. 13
Apr. 28	Port Arthur, Tex.	Apr. 13
May 2	Bridgeville, N. Y. Adv. Apr. 20.	Apr. 20
May 2	Trenton, N. J. Adv. Apr. 20.	Apr. 20
May 2	Wyoming	Apr. 20
May 3	South Carolina Adv. Apr. 20.	Apr. 20
May 5	South Carolina Adv. Apr. 20.	Apr. 20
May 5	Athol, Mass.	Apr. 20
May 10	Converse, S. C. Adv. Apr. 13 and 20.	Apr. 13
May 11	South Carolina Adv. Apr. 13 and 20.	Apr. 13
May 16	Port Arthur, Tex. Adv. Apr. 20.	Apr. 20
May 17	South Carolina Adv. Apr. 13 and 20.	Apr. 13
Oct. 31	Sydney, Australia	Jan. 12

DAMS

Apr. 25	Culbertson, Neb.	Mar. 30
May 12	Highland Park (Joliet P. O.), Ill.	Mar. 30

EXCAVATION AND DREDGING

Apr. 24	Tampa, Fla.	Apr. 6
Apr. 27	Ft. Meyers, Fla.	Apr. 20
Apr. 28	Bloomfield, Ia.	Apr. 20
May 10	Eudora, Ark. Adv. Mar. 30 to Apr. 20.	Apr. 6
May 22	Greenville, Miss.	Apr. 20

STREETS AND ROADS

Apr. 24	Louisiana	Apr. 13
Apr. 24	Bradford, Pa. Adv. Apr. 13 and 20.	Apr. 13
Apr. 24	Minneapolis, Minn.	Mar. 23
Apr. 24	St. Paul, Minn.	Apr. 6
Apr. 24	Franklin, Pa.	Apr. 6
Apr. 24	California	Apr. 6
Apr. 24	Tampa, Fla.	Mar. 30
Apr. 24	Wichita Falls, Tex.	Apr. 13
Apr. 24	Ohio	Apr. 20
Apr. 24	Trinidad, Col.	Apr. 20
Apr. 24	New York, N. Y.	Apr. 20
Apr. 24	Chillicothe, Mo.	Apr. 20
Apr. 24	Des Moines, Ia.	Apr. 20
Apr. 25	Lockport, N. Y.	Apr. 13
Apr. 25	Michigan	Apr. 13
Apr. 25	Leavenworth, Kan.	Apr. 13
Apr. 25	Madison, S. D.	Apr. 13
Apr. 25	Warren, Minn.	Apr. 13
Apr. 25	North Carolina	Apr. 6
Apr. 25	New York Adv. Apr. 13 and 20.	Apr. 13
Apr. 25	Maryland Adv. Apr. 13 and 20.	Apr. 13
Apr. 25	Lancaster, Ont.	Apr. 20
Apr. 25	Wisconsin	Apr. 20
Apr. 25	Columbus, O.	Apr. 20
Apr. 25	New York, N. Y.	Apr. 20
Apr. 25	Marshalltown, Ia.	Apr. 20
Apr. 25	Nashville, Tenn.	Apr. 20
Apr. 25	Monroe, Wis.	Apr. 20
Apr. 25	Portsmouth, Va.	Apr. 20
Apr. 25	Toronto, Ont.	Apr. 20
Apr. 25	Michigan	Apr. 20
Apr. 25	Lockport, N. Y.	Apr. 20
Apr. 25	Wheaton, Minn.	Apr. 20
Apr. 26	Redfield, S. D.	Apr. 13
Apr. 26	Akron, O.	Apr. 13
Apr. 26	Columbus, O.	Apr. 13
Apr. 26	Greenfield, Ind.	Apr. 13
Apr. 26	Delaware	Apr. 20
Apr. 26	Brownsville, Tex.	Apr. 24
Apr. 26	St. George, S. I., N. Y.	Apr. 20
Apr. 26	Wisconsin	Apr. 20
Apr. 26	St. George S. I., N. Y.	Apr. 20
Apr. 26	Binghamton, N. Y.	Apr. 20
Apr. 26	Utica, N. Y.	Apr. 20
Apr. 27	Sisseton, S. D.	Apr. 13
Apr. 27	Tavares, Fla.	Apr. 6
Apr. 27	St. James, Minn.	Apr. 20
Apr. 27	Missouri	Apr. 20
Apr. 27	Michigan	Apr. 20
Apr. 27	Jacksonville, Fla.	Apr. 20
Apr. 28	New Jersey Adv. Apr. 13 and 20.	Apr. 13
Apr. 28	Toms River, N. J. Adv. Apr. 13 and 20.	Apr. 13
Apr. 28	Mt. Holly, N. J.	Apr. 6
Apr. 28	Girard, Kan. Adv. Apr. 13 and 20.	Apr. 13
Apr. 28	Johnson City, Tex.	Apr. 20
Apr. 28	Trenton, N. J. Adv. Apr. 20.	Apr. 20
Apr. 28	Nova Scotia	Apr. 20
Apr. 28	Prince Edward Island	Apr. 20
Apr. 28	Wisconsin	Apr. 20
Apr. 28	Jefferson, Wis.	Apr. 20
Apr. 28	Davidson, N. C.	Apr. 20
Apr. 28	Continental, O.	Apr. 20
Apr. 28	Ivanhoe, Minn.	Apr. 20
Apr. 29	Nova Scotia	Apr. 20
May 1	Grafton, W. Va. Adv. Apr. 13 and 20.	Apr. 13
May 1	Massachusetts	Apr. 13
May 1	Louisiana	Apr. 13
May 1	Martinez, Cal.	Apr. 20
May 1	California	Apr. 20
May 1	Redondo Beach, Cal.	Apr. 20
May 1	Missouri	Apr. 20
May 1	Ohio	Apr. 20
May 1	Glen Rose, Tex.	Apr. 20
May 1	White Plains, N. Y. Adv. Apr. 20.	Apr. 20
May 1	Madison, Wis.	Apr. 20
May 1	Welland, Ont.	Apr. 20
May 1	Montesano, Wash.	Apr. 20
May 2	Alabama	Apr. 13
May 2	Clearwater, Fla.	Apr. 13
May 2	Maryland Adv. Apr. 20.	Apr. 20
May 2	Michigan	Apr. 20
May 2	Kaufman, Tex.	Apr. 20
May 2	Bridgeton, N. J.	Apr. 20
May 2	Carlton, Minn.	Apr. 20
May 3	Missouri	Apr. 20
May 3	Ebensburg, Pa.	Apr. 20
May 3	Michigan	Apr. 20
May 4	Somerville, N. J. Adv. Apr. 20.	Apr. 20
May 4	South Carolina Adv. Apr. 20.	Apr. 20
May 4	Michigan	Apr. 20
May 4	Louisville, Ky.	Apr. 20
May 5	Tennessee	Apr. 13
May 5	Leavenworth, Kan.	Apr. 20
May 5	Missouri	Apr. 20
May 5	Ohio	Apr. 20
May 5	Darien, Conn. Adv. Apr. 20.	Apr. 20
May 8	Trinidad, Col.	Apr. 20
May 8	South Carolina Adv. Apr. 20.	Apr. 20
May 9	South Carolina Adv. Apr. 20.	Apr. 20
May 9	Woodbury, N. J. Adv. Apr. 20.	Apr. 20
May 10	Troy, N. Y. Adv. Apr. 20.	Apr. 20
May 11	South Carolina Adv. Apr. 20.	Apr. 20
May 11	Honolulu, Hawaii	Apr. 20
May 12	South Carolina Adv. Apr. 20.	Apr. 20
May 15	Euclid, O.	Apr. 20
May 15	St. Paul, Minn.	Apr. 20
May 16	South Carolina Adv. Apr. 13 and 20.	Apr. 13
May 16	Lakewood, N. J. Adv. Apr. 20.	Apr. 20
May 16	Washington	Apr. 20
May 18	South Carolina Adv. Apr. 20.	Apr. 20
May 22	Trinidad, Col.	Apr. 20
May 25	St. Augustine, Fla. Adv. Apr. 20.	Apr. 20
May 31	Manchula, Fla.	Apr. 13

INDUSTRIAL WORK

Apr. 24	Thomasville, Ga.	Apr. 13
Apr. 25	Syracuse, N. Y. Adv. Apr. 6 to 20.	Apr. 6
Apr. 25	Cicero, Ill.	Apr. 20
Apr. 29	Manitowoc, Wis.	Apr. 13
May 1	Phila., Pa.	Apr. 13
May 1	Rome, N. Y.	Apr. 20
May 1	Mankato, Minn.	Apr. 20

BUILDINGS

Apr. 24	Darbyville, O.	Apr. 6
Apr. 24	Chatham, N. J.	Apr. 6
Apr. 24	Andover, O.	Apr. 13
Apr. 24	Suffolk, Va.	Apr. 20
Apr. 24	Lorain, O.	Apr. 20
Apr. 24	Phila., Pa.	Apr. 20
Apr. 24	McKeesport, Pa.	Apr. 20
Apr. 25	Amsterdam, N. Y.	Apr. 13
Apr. 25	Hartford, Conn.	Mar. 30
Apr. 25	Lancaster, Wis.	Apr. 6
Apr. 25	New Britain, Conn.	Apr. 13
Apr. 25	Mamaroneck, N. Y. Adv. Apr. 20.	Apr. 20
Apr. 25	Pittsburgh, Pa.	Apr. 20
Apr. 25	Des Moines, Ia.	Apr. 20
Apr. 25	Shelbyville, Ill.	Apr. 20
Apr. 25	Norwood, Mass.	Apr. 20
Apr. 26	Jefferson City, Mo.	Apr. 20
Apr. 27	Centerburg, O.	Mar. 30
Apr. 27	Spooner, Wis.	Apr. 13
Apr. 27	Euclid, O.	Apr. 13
Apr. 28	Oconomowoc, Wis.	Apr. 6
Apr. 28	Columbus, O.	Apr. 20
Apr. 28	Madison, Wis.	Apr. 20
Apr. 29	Bluefield, W. Va.	Apr. 20
Apr. 30	St. Louis, Mo.	Apr. 20
May 1	Elizabeth, N. J.	Apr. 6
May 1	Greensboro, N. C.	Apr. 20
May 1	Fayetteville, N. C.	Apr. 20
May 2	Gowrie, Ia.	Apr. 13
May 3	Brooklyn, N. Y.	Apr. 13
May 3	New Lebanon, O.	Apr. 6
May 3	New Britain, Conn.	Apr. 20
May 3	Mason City, Ia.	Apr. 20
May 3	Rockingham, N. C.	Apr. 20
May 4	Durand, Wis.	Apr. 13
May 4	Rockford, Ill.	Apr. 20
May 4	West Milwaukee (Milwaukee P. O.), Wis.	Apr. 20
May 6	Hopemont, W. Va.	Mar. 23
May 8	Mexia, Tex.	Apr. 20
May 15	Virginia, Minn.	Apr. 20
May 20	Durham, N. C.	Apr. 13
May 20	Batavia, N. Y.	Apr. 20

FEDERAL GOVERNMENT WORK

Apr. 21	Barges—Pittsburgh, Pa. Adv. Mar. 23 to Apr. 20.	Mar. 23
Apr. 24	Dredging — Wilmington, Del. Adv. Mar. 30 to Apr. 20.	Mar. 30
Apr. 25	Mailing Vestibule, etc.—East. St. Louis, Ill.	Apr. 13
Apr. 26	Oil Storage Plants, etc. — Wash., D. C. Adv. Apr. 13 and 20.	Apr. 13
Apr. 26	Substation, etc. — Boston, Mass.	Apr. 6
Apr. 26	Recreation Building—West Roxbury (Boston P. O.), Mass.	Apr. 13
Apr. 26	Fuel Oil Storage—Hampton Roads, Va. Adv. Apr. 13 and 20.	Apr. 13

Bids Close		See Eng. News-Record
Apr. 26	Alterations — San Diego, Cal.	Apr. 20
Apr. 27	Kitchen, etc. — Baltimore, Md.	Apr. 13
Apr. 28	Steel Hangars—New York, N. Y. Adv. Apr. 13 and 20.	Apr. 20
May 1	Bridge—Nenana, Alaska	Mar. 16
May 2	Alterations—Austin, Tex.	Apr. 13
May 3	Roads—Bellevue, D. C.	Apr. 13
May 3	Dredging—Norfolk, Va.	Apr. 20
May 3	Dredging—Buffalo, N. Y.	Apr. 20
May 4	Removal of Wreck — New York, N. Y. Adv. Apr. 13 and 20.	Apr. 13
May 4	Alterations, etc. — Boston, Mass. Adv. Apr. 20.	Apr. 20
May 5	Alterations—Orlando, Fla.	Apr. 13
May 8	Boiler House Addition, etc.—Hoffman Island, N. Y. Adv. Apr. 20.	Apr. 20
May 8	Dredge Pump, etc.—New Orleans, La. Adv. Apr. 20.	Apr. 20
May 12	Plotting Room, etc. — Cape Henry, Va.	Apr. 13
May 15	Dredging—Phila., Pa.	Apr. 13
May 16	Dredging—Chicago, Ill. Adv. Apr. 20.	Apr. 20
May 17	Boiler House, etc.—Rantoul, Ill. Adv. Apr. 20.	Apr. 20
June 7	Machine Shop—Pearl Harbor, H. T.	Apr. 13

MISCELLANEOUS

Apr. 24	Tractor—Finley, N. D.	Apr. 6
Apr. 24	Lighting System—Milwaukee, Wis.	Apr. 20
Apr. 25	Road Oil, etc.—Milwaukee, Wis.	Apr. 20
Apr. 25	Traveling Crane, etc.—Nashville, Tenn.	Apr. 20
Apr. 26	Grain Elevator — Norfolk, Va.	Apr. 6
Apr. 26	Bituminous Material, etc.—St. George, S. I., N. Y.	Apr. 20
Apr. 27	Steel Towers, Seattle Wash.	Apr. 20
Apr. 27	Plumbing, Heating and Ventilating Systems — Lincoln, Neb.	Mar. 30
Apr. 28	Cement, Sand, etc. — Charlottetown, P. E. I.	Apr. 20
Apr. 28	Electric Distribution System —Clarkfield, Minn.	Apr. 20
Apr. 29	Cable and Accessories — Melbourne, Australia	Mar. 16
May 16	Dike — Saulte Ste Marie, Mich. Adv. Apr. 13 and 20.	Apr. 13
May 27	Race Track, etc.—Sedalia, Mo.	Apr. 13

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Ill., Niles—See "Sewers."

Ill., Sheffield—Plans water supply system. C. W. Borden, pres. Engineer not selected.

La., Melville—Plans to vote bonds for waterworks system and remodel electric light system. Swanson-McGraw Co., Inc., 705 United Fruit Bldg., New Orleans, consult. engrs.

Neb., Lincoln—Chicago, Burlington & Quincy R.R., 547 West Jackson Blvd., Chicago, plans 100,000 gal. tank, here, 1 at Brush, Col., and 1 at Bridgeport, $4,500 each, also 50,000 gal. tank at Armour, $3,000. F. T. Darrow, 2026 A St., Lincoln, ch. engr. lines west.

Wyo., Mills—May 6, to vote $70,000 bonds for waterworks. W. Mills, clk.

Ont., Port Credit—Plans 4 mi.c.i. mains, 1,000 ft. steel intake, pumphouse centrifugal pumps, water tank, $120,000. Gore, Nasmith & Storrie, Confederation Life Bldg., Toronto, engrs.

Ont., St. Catharines—Having plans prepared mechanical filtration plant, rein.-con. $50,000. W. P. Near, City Hall, engr.

BIDS DESIRED

N. J., Sayreville—May 17, by E. E. Clark, mayor and Boro. Council, laying 69,112 lin.ft. 4-10 in. c.i. pipe, furnishing 100,000 gal. steel tank on tower and 1,439 ton 4-18 in. c.i. pipe, hub and spigot ends, Class B and C, etc. W. S. Coulter, 114 Liberty St., New York, consult. engr.

Fla., Jacksonville—April 27, for duplex pumping system, including two 25 h.p. automatically controlled vertical motors direct connected to vertical centrifugal pumps, 1,500 gal. per min. capacity each. F. H. Owen, chn.

Tenn., Nashville—April 25, by Bd. Pub. Wks., 125 ton c.i. 6 in. water pipe with fittings. S. H. McKay, secy.

O., Euclid—May 15, installing 6, 8 and 10 in. c.i. mains in Lower Terrace, Forest and Glenridge Rds., Grand and South Lakeshore Blvds., Green Oaks, Parkview, Hill Crest, Concordia and Champ Drives. $30,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

O., Girard—April 27, by Director Pub. Serv. electric driven pump complete with motor, automatic control apparatus, switchboard & starting box, etc., pump to be of sufficient size to deliver 400 gal. per minute through a 10 in. main to a standpipe located 8,300 ft. from well, top of standpipe 12 ft. above top of well and working barrel of well to 150 ft. below top of well. W. Wilson, Youngstown, engr.

Ind., Hammond—May 17 at office Bd. Pub. Wks., pump house, boiler house, superstructure purification reservoir, etc. J. Ericson, 30 LaSalle St., Chicago, consult. engr.; adv. this issue.

Ill., Pana—April 24, reservoir dam, 1,250 cu.yd. concrete and 32,000 cu.yd. earth embankment. A. C. Stanfield, city engr.

Wis., Milwaukee—May 4, by Dept. Pub. Wks., excavation and foundations of Riverside Pumping Station. P. Braman, comr.; adv. this issue.

Minn., Wabasso—May 9 for new waterworks system, 4,650 lin.ft. 4-6 in. c.i. Class B mains, 10 gate valves, 11 hydrants. $30,000. G. A. Goblirsch, clk. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs. Noted April 6.

Minn., St. Paul—April 24 by H. W. Austin, city purch. agt., 41,232 lb. structural steel, 147,180 lb. iron castings, 117,860 lb. miscellaneous steel and iron for Water Dept; 40,000 vitr. repressed paving blocks (3½ x 8½) for Dept. Pub. Wks. O. Claussen, city engr.

S. D., Mission Hill—April 28, by C. B. Allison, village clk., new waterworks system. $30,000.

Tex., Jacksonville—April 28, by T. E. Acker, mayor and City Council, waterworks improvements Contrs. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11. H. N. Roberts, Box 9, Longview, engr.; adv. this issue.

Ont., Petrolea—May 1, by J. McHattie, secy. Water Comn., 750,000 imp. gal. steel reservoir, concrete foundation, motor driven centrifugal pump, 800 imp. gal. per minute. $42,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

Ont., Toronto—See "Streets & Roads."

Hawaii, Honolulu—May 1, by J. Garrett, city clk., Kapiolan Bldg., $2,500,000 gal. concrete reservoir, incl. c.i. water pipe, valves, hydrants, etc.

BIDS RECEIVED

Pa., Phila.—F. H. Caven, dir. pub. wks., opened bids March 28, for 5 force draft fans, Contr. 577, from B. F. Sturtevant Co., 135 North 3rd St., $7,741, Terry Steam Turbine Co., Otis Bldg., $8,073, Moore Steam Turbine Co., Wellsville, N. Y., $8,478; water softening plants, Contr. 576, from Pernutit Co., 440 4th Ave., New York, $17,010, Amer. Water Softener Co., Lehigh Ave. and 4th St., $21,050; ash handling equipment, Contr. 575, from F. J. Boas, 201 North Broad St., $5,600, R. H. Beaumont Co., 319 Arch St., $6,115, Penna Eng. & Contg. Co., 240 North 4th St., $6,798; 24 in. c.i. pipe at Roxbury pumping station, from Seltzer-Frees Co., Builders Exch., $4,827, J. J. McCrudden, Real Estate Trust Bldg., $8,600, G. L. Dobbins, 1020 South 47th St., $12,223. Noted March 23.

O., Cleveland—Opened bids April 12 laying 21,000 ft. 4-60 in. steel pipe from Ansel Rd. to East 107th St. and East 107th St. to Fairmount Reservoir, from P. F. Connelly, Boston, Mass., $500,607; T. A. Gillespie Co., 5 Dey St., New York, $523,488; Booth & Flinn, 1942 Forbes St., Pittsburgh, Pa., $580,681. Noted March 23.

CONTRACTS AWARDED

Conn., Hartford—Underwood Typewriter Co., 581 Capitol Ave., steel pump house, water tower and tank, at plant, to Chicago Bridge & Iron Wks., 3149 Hudson Terminal, New York. $30,000.

N. Y., Brooklyn—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, mains in Flatbush Ave., Aves T and U, Coleman and Hendrickson Sts., to N. B. Stefano, 257 Glenn Ave., Tompkinsville, $28,571; Manhattan and Greenpoint Aves., to Carter Contg. Co., Inc., 582 78th St., $48,167; Oceanview, Skillman and 17th Aves., Barrett, Cleveland, Pine, West 8th, East 21st Sts., etc., to Paladino Contg. Co., 337 East 120th St., New York, $12,295. Noted April 13.

N. Y., Ogdensburg—Bd. Pub. Wks. will extend systems, and mains by day labor $100,000. Noted March 16.

N. Y., Solvay—Water Bd. will build mains and new services in Lakeland St. by day labor. $20,000. Address F. L. Worth, 432 Center st.

Pa., Phila.—F. H. Caven, dir. pub. wks., water mains in Delaware Ave., to J. J. McHugh, 1420 South Penn Sq., $30,000.

La., New Roads—Machinery for water works plant and electric lighting system to Fairbanks Morse & Co., 608-614 Magazine St., New Orleans, $20,526; steel work, oil storage tank and general contract work to Pittsburgh-Des Moines Steel Co., Praetorian Bldg., Dallas, Tex., $5,000.

O., Cleveland—Cuyahoga Co., 18 x 24 ft., brick pumping station, to Rice-Jones Co., 1836 Euclid Ave., $4,980; 6,330 ft. mains, to Langahan Constr. Co., Marshall Bldg., $22,222; 14,650 ft. mains, to D. Pfahl & Co., Guardian Bldg., $69,761. Noted April 6.

Cal., Newport Beach—Installing c.i. mains, to Shepard & Weber, 2731 6th St., Santa Monica, $27,964. Noted April 13.

Sewers

PROPOSED WORK

N. Y., Watertown—April 25, to vote on $45,000 bonds for new sewer in Arsenal St. P. B. Sutton, city engr.

Fla., Eustis—May 9, to vote on $20,000 bonds (city's portion) for 12,000 ft. sanitary sewers. Total $60,000. J. S. Jandon Co., Elberton, Ga., engrs.

O., Columbus—Soon receives bids building 23,380 ft. 6-15 in. Dunedin Sewer. R. H. Simpson, City Hall, engr.

Ill., Niles—Making plans sewers and waterworks. $40,000. Consoer Eng. Co., 140 South Dearborn St., Chicago, engrs.

Neb., Grand Island—Takes bids about first week in May, 10 mi. 8-60 in. sewers and sewage disposal plant. $300,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, Ia., engrs. Noted March 2.

Tex., Dallas—Voted $100,000 bonds sewer improvements. G. D. Fairtrace, city engr.

Ont., Hamilton—E. R. Gray, city engr., in conjunction with H. P. Eddy, engr., 14 Beacon St., Boston, Mass., will submit report on sewage disposal system for eastern section of city. $150,000.

Ont., Hamilton—Soon takes bids 2,900 ft. of 30 and 32 in. vitr. tile or segmental block sewer in Charlton St., Northcote St. from Gertrude St. to Beach Rd. and Gertrude St. from Depew to Northcote Sts. $26,500; also 3,100 ft. of 32 in. vitr. tile or segmental block in Depew St. from Burlington to Gertrude Sts., $32,500. E. R. Gray, city engr.

BIDS DESIRED

N. Y., Mamaroneck—May 1, by Bd. Sewer Comrs., Weaver St. School House, sewerage system, Contr. 3. L. E. Van Etten, 12 Lawton St., New Rochelle, engr.; adv. this issue.

N. Y., Mamaroneck—May 4, for sewers and disposal works, Contrs. 1, 2 and 3. Fuller & McClintock, 170 Bway., New York, engrs.; adv. this issue.

N. Y., New York—April 25, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., sewers in White Plains Rd. between Lacombe and Randall Aves., Randall, Leland and Seward Aves., etc.; storm water drains in East 233rd St., Pratt, Bell, Duryea and Amundson Aves.; rebuilding concrete culvert across and under Gun Hill Rd. near Wickham Ave.

N. J., Sayreville—May 17, by E. E. Clark, mayor and Boro Council, sewers and sewage pumping stations. W. S. Coulter, 114 Liberty St., New York, consult. engr.; adv. this issue.

Va., Norfolk—April 27, by W. H. Taylor, dir. Publ Wks. rein.-con. drains and rein.-con. pipe drains in 39th and 28th Sts., Grafton and Morton Aves. D. A. Decker, city engr. of water and sewers.

Va., South Hill—May 1, by N. G. Smith, clk., 2½ mi. sewer system throughout town. 6-24 in. $30,000. J. B. McCrary Eng. Corp., Third Natl. Bank Bldg., Atlanta, Ga., engrs.

O., Cleveland—April 27, Edgewater Park sewer outlet, 100 ft., 9 ft. 4 in. circular rein.-con. $25,000. R. Hoffman, City Hall, engr.

O., Euclid—May 15, storm and sanitary sewers in Glenridge Rd., Grand and South Lakeshore Blvds., Green Oaks, Parkview, Hill Crest, Concordia and Champ Drives. $75,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids April 12, sewer in Kingsland Ave., from J. F. Clancy, Inc., 460 Locs-

Sewers (Continued)

wood St., $5,892, Kennedy & Smith, Inc., 93 Amity St., Flushing, $9,543, Seaside Contg. Co., 193 Beach 108th St., Rockaway Beach, $10,157; Norwood Pl. (166th St.) from H. J. Mullin Contg. Co., Inc., Jamaica Ave. and 144th St., Jamaica, Proposal A $322,977, Proposal B $311,855, P. J. Donlon Contg. Co., 82 South 3rd St., Brooklyn, Proposal A $357,084, J. L. Sigretto & Co., Woodhaven, Proposal A $404,902, A. Paino, Corona, Proposal B $363,923, Beaver Eng. & Contg. Co., 51 Chambers St., New York, Proposal B $418,392. Noted April 6.

Va., Norfolk—Opened bids April 13, box and concrete pipe drains, from Genl. Constr. Co., Seaboard Bank Bldg., $64,848; Tunstall-Johnson Co., Citizens Bank Bldg., $67,772; Murray-Sadler Corp., Haddington Bldg., $78,941. Noted April 6.

O., Cleveland—Opened bids April 6, 5,070 ft. 6 and 7 circular concrete and 3,050 ft. 12-24 in. vitr. sewers in (1) Dillewood Rd., (2) East 147th St., (3) Wayside Rd., (4) Jenne Ave., (5) East 134th St., from Kassoff Co., 3182 West 25th St., (1) $2,086, (2) $5,380, (4) $6,168; W. Burkhardt, 3905 West 20th St., (1) $2,190; B. J. Whittaker, Cleveland, (2) $4,651; P. W. Graham, 1274 West 108th St., (3) $40,315; Tafornaro & Co., Murray Hill Rd., (3) $40,568; Shanon & O'Shae, 3380 West 135th St., (4) $5,452; Randall & Cooper, Lorain, (5) $27,921; Amato Constr. Co., 343 The Arcade, (5) $18,815. Noted March 30.

Mich., Detroit—For 5,304 ft. 14 ft. tunnel sewer in Clark Ave. Sect. 2, brick or monolithic concrete, from Brandon & Hanna, 1624 Dime Bank Bldg., $564,174; J. Bollin Co., 2032 First Natl. Bank, $607,614; Booth & Flynn, Brush and Frederick Sts., $607,718.

CONTRACTS AWARDED

N. J., Ridgefield—Mayor and Boro Council sewage treatment plant, to Spencer, White & Prentiss, 100 West 41st St., New York; sewerage system, to E. R. English, North Dean St., Englewood. Noted March 23.

Ind., Indianapolis—Bd. Sanitary Comrs., power plant equipment and appurtenances for disposal plant: three 400 hp. water tube boilers, to Babcock & Wilcox Co., South Dearborn St., Chicago, and three stokers, to Green Eng. Co., East Chicago, Ind., total $45,990; three steam turbo blowers, to Dravo-Doyle Co., 808 Merchants Bank Bldg., $53,348; two electric generator units, five surface condensers and one switchboard, to General Electric Co., Traction Terminal, $66,501; mechanical equipment for sludge remover, to Link Belt Co., West Michigan and Holmes Sts., $4,818; four drilled wells, 80 ft. deep, to J. W. Hensley, 315 North Capitol Ave., $2,992. Noted March 9.

Ill., Geneva—For 10-14" vitr. tile sewers and vitr. brick on concrete paving, to H. Jensen, St. Charles, $35,000.

Ill., Rock Island—For 14-24 in. vitr. tile drains, to Frazier-Davis Constr. Co., Arcade Bldg., St. Louis, Mo., $49,000.

Ia., Moulton—Sewerage system, pipe, etc., to Krause Constr. Co., Spencer, $47,350; disposal plant to Ward & Weighton, 516 Davidson Bldg., Sioux City, $10,975.

Ia., Muscatine—Muscatine Packing Co., 5 story, 100 x 200 ft. cold storage building, 5 story, 50 x 100 ft. packing building, 5 story, 70 x 85 ft. abattoir, and 1 story, 50 x 100 ft. power house, all brick, to Federation Constr. Co., 242 Davidson Bldg., Sioux City, $200,000.

Cal., Pasadena—Constructing sewerage system in San Rafael Heights, 11,004 ft. 8 in., 4,295 ft. 10 in., 1,396 ft. 12 in. and 1,435 ft. 14 in. vitr. pipe, etc., to De Waard & Coblan, 207 Granger Bldg., San Diego, $166,660.

Cal., San Francisco—See "Streets and Roads."

Waste Disposal

PROPOSED WORK

Ont., Chatham—Plans garbage disposal plant. $30,000. Prices wanted on equipment. H. Fuller, City Hall, engr.

Bridges

PROPOSED WORK

Wis., Milwaukee—Voted $150,000 bonds to widen Folsom Pl. viaduct, also $1,260,000 bonds for new Holton St. viaduct, $150,000 to be issued first year. M. C. Cutler, City Hall, engr. March 23.

Tex., San Antonio—D. D. Harrigan, city engr., preparing plans and takes bids about May 1, replacing cross beams and laying double wooden floor on 1,800 ft. viaduct, 20 ft. wide, on New Braunfels Ave. $40,000.

Cal., West Riverside — Bd. Supervs. Riverside Co., plan rein.-con. bridge over Santa Ana River, here, including seven 72 ft. arch spans, with towers at both ends. $95,000. Houghton & Bonte, Phelan Bldg., San Francisco, engrs.

Ont., London—Bd. Governors Western University preparing plans and takes bids about May 1, 290 ft. rein.-con. bridge, center span 130 ft. and two end spans 80 ft. each. $130,000. Prices wanted on materials. J. M. Moore, 489 Richmond St., engr.

BIDS DESIRED

Mass., Athol—May 5 by Comrs. Worcester Co., Fitchburg, 180 ft. rein.-con. bridge 55 ft. wide, granite block paving, here, for town of Athol. $100,000. J. R. Worcester & Co., 79 Milk St., Boston, engrs.

N. Y., Bridgeville—May 2, steel bridge over Neversink River, on Route 4, here. C. Unkenholz, Monticello, town supt.; adv. this issue.

N. J., Trenton—May 2, by Bd. Freeholders Mercer Co. through plate girder bridge, over Shabakunk Creek, on Brunswick Pike. H. F. Harris, Court House, co. engr.; adv. this issue.

Va., Portsmouth—See "Streets and roads."

South Carolina—May 5, by State Hy. Dept., at office Bd. Comrs. Lexington Co., Lexington, constructing bridge on Old State Rd., Lexington Co.; adv. this issue.

South Carolina—See "Streets and Roads."

South Carolina—May 13, by State Hy. Dept., Columbia, constructing Wateree River Bridge, Richland Co.; adv. this issue.

Wisconsin—See "Streets and Roads."

Wis., Monroe—See "Streets and Roads."

Wis., Monroe—April 25 by Green Co., State Roads and Bridge Com., Browntown Bridge No. 1, rein.-con. deck girder, 50 ft. span, 220.9 cu.yd. concrete; Browntown Bridge No. 2, 100 ft. span steel truss, 243 cu.yd. concrete, 71,850 lb. structural, steel; Bowen Bridge 16 ft. span, 101 cu.yd. concrete; Roderick Bridge No. 1, 16 ft. span, 164 cu.yd. concrete; Roderick Bridge No. 2, 15 ft. span, 66 cu.yd. concrete, Hoesly Bridge 18 ft. span, 184 cu.yd. concrete; Sommerfelt Bridge 25 ft. span, 233.1 cu.yd. concrete. C. J. Smith, comr.

Ia., Montezuma—April 27, Auditor Poweshiek Co., five I beam bridges, one 50 ft. pony truss and 25 box culverts. C. E. Olson, co. engr. Noted April 6.

Kan., Leavenworth—May 5, by Comrs. Leavenworth Co. concrete slab on 8,089 mi. Fort to Fort Highway, Sects. D and F, Project 13, 18 ft. Grading completed. $250,000. L. C. Clark, Leavenworth, engr.

Wyoming—May 2, by State Hy. Dept., Cheyenne, 416 ft., 5 span cantilever bridge and approaches, rein.-con., on Federal Aid Project 119, 1 mi. west of Douglas, Converse Co., $60,000. J. F. Seiler, state hy. dept., engr. Noted Jan. 19.

Tex., Port Arthur—May 16, at City Hall, superstructure of span over Sabine-Neches Canal. M. C. Erwin, city engr.; adv. this issue.

Wash., Montesano — "See Streets and Roads."

BIDS RECEIVED

Alabama—State Hy. Dept., Montgomery, constructing 430.5 ft. bridge over Cahaba River near Acton, Jefferson and Shelby Counties, from Columbus Constr. Co., Columbus, Ga., $49,572. J. W. Gwin, Hamilton Sta., Birmingham, $49,882, P. E. Millsap, Birmingham, $50,231; 397 ft. bridge over Mulberry Fork, Warrior River near Garden City, Blount and Cullman Counties, from Converse Bridge Co., Anderson and Bkly Aves., Chattanooga, Tenn., $26,656, Vincennes Bridge Co., Vincennes, Ind., $26,974, Virginia Bridge & Iron Co., Roanoke, Va., $27,460. Noted March 16.

Missouri—State Hy. Dept. at div. office Galena opened bids March 17, two 180 ft. steel truss spans with two 60 ft. pony truss approach spans, 18 ft. roadway, over White River on Sta. 1974 on state road from Reed Springs to Blue Eye, Federal Aid Project 161, Sect. D, Stone Co., from Short & Bramer, Monett, $30,023; Lynch, McDonald Constr. Co., Moberly, $30,522; Western Bridge Co., Harrisonville, $30,541. Noted March 9.

Missouri—See "Streets & Roads."

Tex., Dallas—Dallas Co. paving 4,000 ft. Dallas-Oak Cliff Viaduct on State Highway 1, (a) asphaltic concrete, (b) bitulithic, (c) brick, from Texas Road Co., Southwestern Life Bldg., (a) $33,488; Central Bitulithic Co., Praetorian Bldg., (b) $37,310; Smith Bros., 308 Sumpter Bldg., (c) no traffic, $35,440, with traffic, $37,674. Noted March 23.

Tex., Nacogdoches — Nacogdoches Co. opened bids March 30, 125 ft. steel through riveted bridge over Angelina River between Rusk and Nacogdoches Counties, from Austin Bros. Bridge Co., Coombs St., Dallas, $19,589; Brown-Abbot Co., Loraine, $20,233; Illinois Steel Bridge Co., Box 351, Dallas, $20,287. Noted March 23.

CONTRACT AWARDED

West Virginia—State Hy. Dept., Charleston, substructure of bridge across West Fork River, Harrison Co., to Sutter-Cooper & Foye, Aspinwall, Pa., $24,548; concrete and steel bridge across Eighteen Mile Creek, Mason Co., to Thompson & Dass., Barboursville, $30,224. Noted March 9.

O., Shadesville—Franklin Co. (Columbus) approaches to steel bridge (now in course of construction), over Scioto River, 9 mi. south of Columbus, to M. Haley, Columbus, $48,076. Noted March 16.

O., Youngstown — Director Pub. Serv., steel superstructure for 17 span rein.-con. and steel plate girder bridge, on Oak St., to Amer. Bridge Co., Frick Bldg., Pittsburgh, Pa., $110,074; concrete work on superstructure and one 60 ft. rein.-con. arch, to C. Shutrump & Sons, West Federal St., $51,798. Noted April 13.

Mich., Detroit—Operators houses and enclosure walls for single leaf bascule bridge over River Rouge on Fort St., to Wolverine Eng. & Constr. Co., Penobscot Bldg., $78,881. Noted April 13.

Mo., Carrollton—Norborne Land D.D. Co., forty seven 20-75 ft. span bridges, to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, $89,130. Noted March 23.

Tex., Belton—Bell Co., 496 ft. rein.-con. bridge over Salado Creek on State Highway 2-C, incl. demolishing 2 concrete abutments and clearing site of all debris, etc., to E. Blankenstein, Temple, $18,823. Noted April 13.

Railways

PROPOSED WORK

Quebec—Dominion Government plans new 12 mi. line to Canadian Natl. Ry., between Montford Junction and Freniers, to obtain direct service from Montreal to Laurentians in Argenteuil Co. $250,000. A. Kennedy, Parliament Bldg., Ottawa, Ont., minister of railways.

Mexico—Mexican Rys. Co., Mexico City, to be formed subsidiary to be known as Pachuca-Tampico Ry. Ltd., and plans branch line from Mexico City to Tampico. Having surveys made for 200 mi. standard gauge track, $10,000,000. W. T. Ingram, Mexico City, resident engr.

CONTRACTS AWARDED

California—City and San Francisco Co. furnishing 20 street car trucks and 20 street car bodies, Contr. 125 to Amer. Car Co., 1518 South Vandeventer Ave., St. Louis, Mo., $26,957 and $103,740 respectively; motor equipment for 20 street cars, Contr. 126, to Westinghouse Electric & Mfg. Co., 1st Natl. Bank Bldg., San Francisco, $49,504; air brake equipment, Contr. 125, to Westinghouse Traction Air Brake Co., 65 Market St., San Francisco, $11,364. Noted March 2.

Excavation and Dredging

PROPOSED WORK

Ia., Clarion—Wright Co., receives bids about May 15, D. D. 196, Sect. 2, 61,000 ft. 10-48 in. tile., $30,000. G. L. Mechen, Claroin, engr.

Ia., Corydon—Wayne Co. making plans straightening 19 mi. South Fork-Charlton River, 700,000 cu.yd. excav. D. L. Thomas, co. engr.

Tex., El Paso—Having plans prepared 5 mi. shallow drainage canal and levees over approximately same distance. $50,000. W. C. Stewart, City Hall, engr.

Ont., Thedford—Bosanquet twp. soon takes bids for drainage work, 150,000 cu.yd. excav., dipper dredge or drag line excavator. $55,000. G. A. McCubbin, 135 King St. Chatham, engr.

Fla., Ft. Myers—April 27, by Bd. Supervs. Iona D. D., Lee Co., constructing 114,860 ft. drainage ditches. A. L. White, drainage engr.

Miss., Greenville—May 22, by Comrs. Broad Slough D. D., 13 mi. drainage canals, involving 230,000 cu.yd. excav. and 90 acres clearing. R. K. Haxton, secy.

Ia., Bloomfield — April 28, by Auditor Davis Co., Fox River D.D. 3, 11 mi. channel, 411,851 cu.yd. excav., $41,185; Wyacondah D.D. 1, 13.5 mi. channel, 332,800 cu.yd. excav., $33,280; Fabius D.D. 1, 7 mi. channel, 168,000 cu.yd. excav., $16,800. Noted April 6.

BIDS RECEIVED

Va., Norfolk — Opened bids April 14, dredging 140,000 cu.yd. for pipe line from Craney Island to 38th St. extended from F. E. Jones Dredging Co., 1001 Natl. Bank

Excavation and Dredging (Continued)

of Commerce Bldg., $0.48 per cu.yd.; Arundel Corp., Bd. Trade Bldg., $0.56. Noted April 6.

CONTRACTS AWARDED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, dredging outfall drainage canal, Sect. 2-A, Biological Plant. 26th Ward Disposal Works, to P. S. Ross, Inc., 277 Washington St., Jersey City, N. J., $44,880. Noted April 13.

Streets and Roads

PROPOSED WORK

N. H., Manchester—Plans to repair and build waterbound macadam pavement. $150,000. Dept. Pub. Wks., City Hall, engrs.

Mass., Lawrence—Plans paving Marston St., tarvia; Chandler and Bennett Sts., wood block. $50,000. Dept. Pub. Wks., City Hall, engrs.

R. I., Bristol—Plans new roads and improvements to highways throughout town. $100,000. Highway Dept., Town Hall, engrs.

R. I., East Providence (Providence P. O.)—Plans highway work. $100,000. Pub. Wks. Dept., East Providence, engrs.

Conn., Middletown—Plans new permanent pavements. $125,000. J. W. Mylchreest, city engr.

N. Y., Andover—Election in May to vote on $40,000, $45,000 bonds paving Rochambeau Ave., West and East Greenwood Sts.

N. Y., Franklinville—Making plans paving Maple Ave., Pine and Chestnut Sts. $25,000. A. Miles, Olean, engr.

N. Y., Massena—Plans paving and resurfacing various streets, bituminous. $75,000. G. W. Hawes, pres.

N. Y., Norwich—Made plans paving East Main St. $27,042. F. C. Brush, city engr.

N. Y., Rochester—Plans paving North St. from Main to Portland Aves., asphalt. $102,320. C. A. Poole, city engr.

N. Y., Rochester—Plans paving and concrete curbing East Elm St. $25,000. Address H. R. Worden, pres. village Bd.

N. Y., Rochester—Plans paving Braddock St., concrete, $5,700; Putnam St., $6,400, Kay Terrace $15,000, Augustine St. $16,700, Tilden St. $8,300, Kenning Alley $6,400, Summer Park $13,100, Conklin St. $7,400, Ravenwood Ave. $1,100, Centennial St. $11,500, all foregoing asphalt; Kosciusko St., warrenite bitulithic, $18,550; extending Schank Ave., $600; Augustine St. $2,000, surface treatment; grading, laying sidewalks and sewers in Devonshire Court, $10,700; Turner Ave., $8,000; paving and laying sewers in Edmund St., asphalt, $33,000. C. A. Poole, Rochester, engr.

N. Y., Sinclairville—Chautauqua Co. (Mayville) voted $25,000 bonds to improve .75 mi. Station Rd., here. W. J. Knauer, 255 Roberts Bldg., Jamestown, engr.

N. Y., Warsaw—Wyoming Co. plans paving 1¾ mi. Orangeville Center Rd. in Orangeville, $25,000; 1 mi. Lake Rd. and 1¾ mi. Castile-Silver Springs Rd., Castile, $33,000; 2 mi. East Arcade Rd., Attica, $25,000; 2 mi. Cowlesville-Bennington Center Rd., Bennington, $25,000, concrete or bitulithic.

N. Y., Watertown—April 25, to vote on $105,000 bonds paving Arsenal St. and other streets. P. B. Sutton, city engr.

N. J., Mays Landing—Atlantic Co. plans paving 5 mi. Absecom-Somers Point Rd., concrete. $700,000. A. H. Nelson, Guarantee Trust Bldg., Atlantic City, engr.

Pa., Canonsburg—Plans paving 500 ft. Pitt St., brick on concrete. $25,000. H. M. Day, city engr.

Pa., Oil City—Plans $200,000 bond issue, for paving and repaving various streets.

Pa., Pittsburgh—Plans repaving 2nd Ave. east of 10th St. $140,000. C. M. Reppert, city engr.

W. Va., Hamlin—Lincoln Co. plans grading and paving 6 mi. Huntington-Logan Rd., Guyan River Route, 16 ft. $150,000. W. F. Tipton, Hamlin, engr.

N. C., Beaufort—Carteret Co. plans hard surfacing various roads. $150,000. W. L. Stancil, aud.

N. C., Hamlet—Plans paving Lackey, Raleigh, Main and Charlotte Sts., concrete or some asphaltic type. $75,000. Taplin & Perkins, High Point, engrs.

N. C., Wilkesboro—Plans paving various streets, concrete or some asphaltic type on concrete. $75,000. S. L. Pardue, clk.

N. C., Yadkinville—Yadkin Co. plans constructing 2 mi. soil road from Shacktown to Huntersville Rd., 6.8 mi. soil road from Dixon Hill Bridge to Courtney and two 40 ft. steel bridges. $43,000. J. Williams, Williams, com.

Fla., Eustis—May 9, to vote on $90,000 bonds (city's share) paving 6 mi. various streets, 16-40 ft., brick or asphalt. Total 270,000. J. S. Jandon Eng. Co., Elberton, Ga., engrs.

Ohio—Dept. Highways and Pub. Wks., Columbus, cancelled bids opened April 10, grading, bridging and paving 0.276 mi. Sect. "1-2" Portsmouth-Columbus Rd., Scioto Co. Noted April 6.

Ohio—Dept. Highways and Pub. Wks., Columbus, received no bids April 10, grading, bridging and paving 0.734 mi. State Sanatorium Rd., Knox Co. Noted April 6.

Ind., Albion—Noble Co. plans grading and paving 8.521 ft. J. Hamilton Nye Rd., 263,151 sq.yd. concrete, $65,703; 1,800 ft. concrete and 31,275 ft. gravel on William Lay Rd., 9,170 cu.yd. excav., $34,977. W. T. Knox, Noblesville, engr.

Michigan—State Hy. Dept., Lansing, soon takes bids grading and surfacing 11¼ mi. State Trunk Line Rd. 5-16, Sects. A and B, Marquette Co. F. F. Rodgers, Lansing, state engr.

Mich., Detroit—Dept. Pub. Wks. had plans prepared grading, shaping and paving with 3 in. sheet asphalt on 6 in. concrete, stone curbs, Duncan Ave. from Helen to Frontenac Aves., $6,050, Burlingame Ave. from Linwood Ave. to Dexter Blvd., $30,930, John R St. from Seven Mile to Eight Mile Rds., $93,440, Bryden Ave. from Grand River to Burlingame Aves., $7,960; one course concrete on alley between Ellery, Mt. Elliott, Willis and Canfield Aves., $3,480. J. W. Reid, city engr.

Ia., Decorah—Winneshiek Co. soon receives bids grading and necessary bridge work on 18 mi. Primary Rd. Projects 9, 11 and 20, 175,000 cu.yd. earth, 950 cu.yd. loose rock and 620 cu.yd. solid rock excav., 107,000 ft. 6-10 in. tile. F. W. Arneson, Decorah, engr.

Wis., Milwaukee—Voted $2,500,000 bonds April 4, widening Cedar and Biddle Sts. G. Staal, City Hall, engr.

Missouri—State Hy. Dept., Jefferson City, plans 9,452 mi. road from Versailles to Linn Creek, State Aid Project 20,156, Morgan Co., 38,705 cu.yd. earth and 1,875 cu.yd. rock excav., 26,089 cu. yd. borrow, 193.6 cu.yd. concrete masonry, etc.; 1,939 mi. road from Memphis northward and southward, State Aid Project 20.108, Scotland Co., 31,180 cu. yd. earth excav., 13,944 cu.yd. borrow, 351 cu.yd. concrete masonry, etc.; 4.98 mi. road from Lancaster eastward and westward, 26,873 cu.yd. earth excav., 8,827 cu.yd. borrow, 166.9 cu. yd. concrete masonry, etc.; 2,694 mi. road from Miami to Mashall and from Sedalia to Marshall State Aid Project 20.148, Saline Co., 15,666 cu.yd. earth and 5,744 cu.yd. rock excav., 5,521 cu.yd. borrow, 122.9 cu.yd. concrete masonry, etc.; 2,595 mi. road from Malta Bend to Marshall, State Aid Project 20.155, Saline Co., 13,099 cu.yd. earth excav., 15,271 cu.yd. borrow, 47.8 cu.yd. concrete masonry, etc.; 4.716 mi. road from West Plains to Thayer, State Aid Project 20.159, Oregon Co., 22,910 cu.yd. earth excav., 2,156 cu. yd. borrow, 131.9 cu.yd. concrete masonry, etc. A. Graham, state highway engr.

Tex., Angleton—Brazoria Co. election April 29, to vote on $220,000 bonds surfacing streets and roads from here toward Houston, Freeport, Danbury, West Columbia and other points. W. A. Randle, co. engr.

Tex., Dallas—Dallas Co. making plans grading, surfacing and bridging 14.3 mi. Oak Cliff-Lancaster Rd. State Highway 6, 12,000 cu. yd. borrow and 55,000 cu. yd. roadway excav., 1,350 cu. yd. concrete, 130,000 sq. yd. 2 in. bituminous topping, 179,000 lb. structural and 82,000 lb. reinforcing steel, 23,000 cu. yd. native stone, 31,000 cu. yd. crushed rock. $553,720. Nagle-Witt-Rollins Eng. Co., Courthouse, engrs.

Tex., Houston—Harris Co. making plans grading and surfacing 5.4 mi. State Highway 2, Houston-Webster-Fairbanks R., 18 ft., gravel, bituminous topping. $73,840. Howe & Wise, First Natl. Bank Bldg., engrs.

Tex., Junction—Kimble Co. making plans grading and gravel surfacing 9.96 mi. Junction-Sonora Rd. on State Highway 27. 12 ft. $48,060. W. E. Simpson Co., 414 Natl. Bank Commerce Bldg., San Antonio, engr.

Tex., Waco—McLennan Co. making plans grading and surfacing 11.75 mi. State Highway 2-B, waterbound macadam, bituminous topping. $200,000. M. Hannah, co. engr.

Tex., Wells Point—Voted $30,000 bonds paving and graveling streets. Address Mayor.

Cal., Fresno—Had plans prepared improving Linden Ave. between Olive and Floradora Aves., 47,021 sq.ft. grading, 42,321 sq.ft. 3½ in. asphaltic base, 1½ in. top, 4,512 sq.ft. gutter, 2,461 sq.ft. curb, 11,116 sq.ft. sidewalks, etc. W. Stranahan, city engr.

Cal., Fresno—Having plans prepared improving Montecito St. between Hazelwood and 4th Sts., 86,520 sq.ft. grading, 81,190 sq.ft. 1½ in. warrentite on 2½ in. asphalt, 2,114 ft. curb, 5,120 sq.ft. gutter, 7,220 sq. ft. sidewalks, 320 ft. 12 in. and 304 ft. 18 in. corrugated culverts, etc. W. Stranahan, city engr.

Cal., Oroville—Comrs. Butte Co. rejected bids paving 2.8 mi. Oroville-Marysville Rd., Route 26, Sect. C, asphaltic macadam. H. H. Hume, Oroville, engr.

Cal., Taft—Soon receives bids grading and oiling various streets. $75,000. E. M. Lynch, Central Bank Bldg., Los Angeles, engr.

Ont., Welland—Welland Co. plans new roads. $400,000.

BIDS DESIRED

Conn., Darien—May 5 at office of C. P. Rumpf, supt. highways and bridges for construction 2½ mi. cement concrete pavement; adv. this issue.

N. Y., Binghamton—April 26, by Bd. Contract & Supply, paving Vestal Ave. $85,000. Address A. L. LaRoche, comr. Noted April 13.

N. Y., Lockport—April 25, by Bd. Supervs. Niagara Co. paving 2.02 mi. Military Rd. from Pickards Corner to 10 Creek Rd., Niagara Twp., concrete. $67,476. Address T. M. Brennan, 1615 15th St., Niagara Falls, co. supt.

N. Y., New York—April 24, by J. Miller, pres. Manhattan Boro., repaving East 11th St. from Ave. B. to Ave. C. East 11th St. from Ave. C to Ave. D and Leonard St. from Baxter to Lafayette Sts., sheet asphalt.

N. Y., New York—April 25, by H. Bruckner, pres. Bronx Bro, Municipal Bldg., paving and improving central drive of Grand Blvd. and Concourse from East 161st St. to Mosholu Parkway, etc.; repaving roadway of East Tremont Ave. from Boston Rd. to Bronx River, etc., granite block; grading, setting curb and laying sidewalks on Webb Ave. from Kingsbridge Rd. to point 485 ft. north of West 197th St., Claflin and University Aves., West 195th and West 197th Sts., etc.

N. Y., S. I., St. George—April 26, by M. J. Cahill, pres. Richmond Boro, repaving within franchise area of Richmond Light & R.R. Co. on Richmond Terrace from Van to Bodine Sts. Former bids rejected. Noted April 13.

N. Y., S. I., St. George—April 26, by M. J. Cahill, pres. Richmond Boro, Boro Hall, repaving roadway of Bay St. from Thompson St. to Staten Island Rapid Transit R.R. crossing; roadway of Richmond Terrace from Ferry St. to Treadwell Ave., granite block.

N. Y., Troy—May 10, by G. H. Van Wie, chn. Joint Com., Stillwater, and C. A. Roemer, supt. highways of Rensselaer Co., Court House, Troy, new roadway and sidewalks on Troy-Waterford Bridge, over Hudson River, here; adv. this issue.

N. Y., Utica—April 26, by Bd. Contract & Supply additional asphalt pavements and repair work on various streets. $25,000. R. S. Cookingham, city engr.

N. Y., White Plains—May 1, at office F. L. Merritt, clk. Bd. Supervs. Westchester Co., paving 4.53 mi. Long Ridge Rd. in towns of Bedford and Poundridge, rein.-con.; adv. this issue.

N. J., Bridgeton—May 2, paving East Commerce St., 982 lin.ft. concrete gutter, 4,421 cu.yd. earth excav., 15,270 lin.ft. concrete header curb, 323 yd. concrete and 2,000 lin.ft. stone. Remington & Vosbury, 601 Market St., Camden, engrs.

N. J., Lakewood—May 16, by Bd. Freeholders Ocean Co. (Toms River), reconstructing State Highway Route 4, Sect. 15, from Central Ave. to Spruce St., here, concrete. J. M. Abbott, Toms River, Co. engr.; adv. this issue.

N. J., Somerville—May 4, by Boro, paving State Highway Route 9, Sect. 7, Main St., reinforced cement concrete. W. J. Hardin, Newton, boro engr.; adv. this issue.

N. J., Trenton—April 28, improving about 45,000 sq.yd. streets. L. D. Hirsch, city clk.; adv. this issue.

N. J., Woodbury—May 9, by Bd. Freeholders Gloucester Co., constructing Mantua-Glassboro Rd., Sect. 2, Mantua Twp., Pitman and Glassboro Boros., rein.-con. W. C. Cattell, co. engr.; adv. this issue.

Pa., Ebensburg—May 3, by Supervisors Lower Voder Twp., c/o Cambria Co. Controller, 3,505 lin.ft. vitr. brick or one course rein.-con. pavement on Virginia Ave., Wall and Gilberts Sts. L. R. Owen and J. L. Plummer Inc., Otto Bldg., Johnstown, engrs.

Delaware—April 26, by State Hy. Dept., Dover, 5.137 mi. road from Glasgow to Bear Station, Constr. CN.6, incl. 23,000 cu.yd. excav., 2,300 cu.yd. borrow, 300 ton broken stone base course, 9,820 cu.yd.

Streets and Roads (Continued)

cement concrete pavement, 440 cu.yd. concrete, 786 lin.ft. 15-36 in. rein.-con. pipe, 800 sq.yd. Class A concrete, gutter, etc.; 0.71½ mi. road through Millsboro. Contr. CS.15, 985 cu.yd. cement concrete pavement, 270 ton waterbound macadam surface course, 20 cu.yd. concrete, etc.; 3.33 mi. road Contr. CS.17, 10,800 cu.yd. excav., 9,000 cu.yd. borrow, 100 ton broken stone base course, 4,800 cu.yd. cement concrete pavement, 430 cu.yd. concrete, 24,000 lb. reinforcing and 23,000 lb. structural steel, etc.; 1.65 mi. road from Camden to Coopers Corner, Contr. 46, 10,000 cu.yd. excav., 3,500 cu.yd. borrow, 80 ton broken stone base course, 2,870 cu.yd. cement concrete pavement, 70 ton Amlesite filler, 285 cu.yd. concrete, 17,000 lb. reinforcing, etc. C. Upham, ch. engr.

Maryland—May 2, by State Hy. Dept., Baltimore, sections highway in Queen Annes Co. Contr. Q-14; Kent Co. Contr. K-18; Montgomery Co., Contr. M-30; Frederick Co. Contr. F-7D. J. N. Mackall, chn; adv. this issue.

Va., Madison—May 1, by Bd. Supervs. Madison Co., 7.64 mi. road from Liberty Mills Pile to Earleys Ford, loose stone or gravel, $45,000; 7.23 mi. road between Robertson River and Culpeper Co. line, $30,000. G. P. Coleman, Richmond, state highway comr.

Va., Portsmouth—April 25, by R. B. Preston, engr. Norfolk Co., New Kirn Bldg., paving Rodman Ave., Churchland, Money Point and Cornland Rds., concrete and waterbound macadam, also repairs to West Norfolk Bridge.

N. C., Davidson—April 28, by Bd. Aldermen paving various streets, 2,500 cu.yd. excav., 7,000 sq.yd. plain cement concrete, rein.-con., sheet asphalt, bitulithic or asphaltic concrete on 5 in. portland cement concrete, 10,500 lin.ft. concrete curbs and gutters. Mees & Mees, Charlotte, consult. engrs.

South Carolina—May 4, by State Hy. Dept., at office Marlboro Co. Hy. Comn., Bennettsville, clay gravel surfacing 6,691 mi. from McLaurins Mill to Great Pee Dee River near Cheraw, Marlboro Co.; adv. this issue.

South Carolina—May 8, by State Hy. Dept., at office Bd. Comrs. Bamberg Co., Bamberg, sand-clay surfacing 12.453 mi. road beginning near Edisto River, about 2 mi. from Branchville and extending to Bamberg City limits, Bamberg Co.; adv. this issue.

South Carolina—May 9, by State Hy. Dept., at office Bd. Comrs. Newberry Co., Newberry, topsoiling 2.515 mi. road from Chappells to point near Saluda River, Newberry Co.; adv. this issue.

South Carolina—May 9, by State Hy. Dept., at office Orangeburg Co. Hy. Comn., Orangeburg, sand-clay surfacing 14,655 mi. road beginning 2 mi. west of Orangeburg to city limits of Neeses, incl. concrete bridges, Orangeburg Co.; adv. this issue.

South Carolina—May 11, by State Hy. Dept., at office Berkeley Co. Hy. Comn., Moncks Corner, sand-clay surfacing 6.364 mi. road from Biggen Churchyard to Bonneau, Berkeley Co.; adv. this issue.

South Carolina—May 12, by State Hy. Dept., at office Bd. Comrs. Barnwell Co., Barnwell, sand-clay surfacing 9.653 mi. road from Barnwell to Elko, and 5.303 mi. from Elko to Barnwell-Aiken Co. line, Barnwell Co.; adv. this issue.

South Carolina—May 18, by State Hy. Dept., at office Bd. Comrs. McCormick Co., McCormick, topsoiling 13.509 mi. road from McCormick to McCormick-Abbeville Co. line, McCormick Co.; adv. this issue.

Fla., Jacksonville—April 27, paving 17,000 sq.yd. Margaret, Hogand and King Sts. asphaltic concrete on 6 in. concrete; 11,000 sq.yd. Adams and Stuart Sts., vitr. brick on 6 in. concrete. W. E. Sheddan, city engr. Noted April 13.

Fla., St. Augustine—May 25, by Bd. Comrs. St. Johns Co., constructing 16 mi. Tocoi Rd.; 8.4 mi. Elkton-Tocoi Rd.; 24 mi. Mill Creek Rd.; 4.5 mi. road connecting Mill Creek and Picolata Rds.; 1.5 mi. from Hastings to Putnam Co. line; 6¼ mi. south from Hastings to Putnam Co. line; 3 mi. Spuds Rd.; 2.5 mi. Hastings Blvd. Extension; 4.7 mi. Horn Rd.; 10.4 mi. Anastasia Island Rd. H. E. Mahr, chn.; adv. this issue.

Ky., Louisville—May 4, by Bd. Supervs. Jefferson Co., constructing 18,459 ft. Edwardsville-Galena Rd. $43,698. County Eng. Dept., Louisville, engrs.

Ohio—April 24, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Carroll Co., Sect. "D" Minerva-Sandyville Rd., 2.915 mi., brick, $91,680; state to furnish brick, $69,004; bituminous macadam, asphalt or tar, $79,914.

Crawford Co., Sect. "L, Chatfield" and "M" Columbus-Sandusky Rd., 6.256 mi., brick, $272,143; state to furnish brick, $208,620.

Putnam Co., Sect. "M" Limo-Ottaway Rd., 1.211 mi., brick, $44,795; state to furnish brick, $31,328; Kentucky rock asphalt, $36,763.

Putnam Co., Sect. "P" Lima-Ottaway Rd., 0.498 mi., brick, $31,557; state to furnish brick, $22,895; Kentucky rock asphalt, $26,978.

Sandusky Co., Sect. "A" Toledo-Elmore Rd., 2.278 mi., brick, $104,608; state to furnish brick, $79,026; asphaltic concrete, $93,370; rein.-con., $83,950.

Washington Co., Sect. "L" Marietta-Caldwell Rd., 3.727 mi., rein.-con., $89,899. L. C. Herrick, dir. highways.

Ohio—May 1, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Carroll Co., Sect. "A" Carrollton-Malvern Rd., 2.512 mi., brick, $108,422; state to furnish brick, $83,465; bituminous macadam, asphalt or tar, $94,752.

Carroll Co., Sec. "B" Carrollton-Malvern Rd., 3.9617 mi., brick, $165,664; state to furnish brick, $127,287; bituminous macadam, asphalt or tar, $144,193.

Clermont Co., Sect. "L" Cincinnati-Chillicothe Rd., 1.646 mi., bituminous macadam, $39,482; waterbound macadam, $35,806.

Gallia Co., Sect. "F-1" Gallapolis-Ironton Rd., 1.744 mi., bituminous macadam, asphalt or tar, $44,785.

Lake Co., Sect. "H" Painesville-Warren Rd., 1.1 mi., rein.-con., $32,166.

Mercer Co., Sect. "I" Celina-Greenville Rd., 2.678 mi., brick, $101,992; state to furnish brick, $76,535; rein.-con., $81,601; bituminous macadam, asphalt or tar, $75,990.

Portage Co., Sect. "D" Aurora-Warren Rd., 3.593 mi., rein.-con., $108,183.

Wyandot Co., Sect. "Upper Sandusky," Upper Sandusky-Marion Rd., 0.497 mi., brick, $30,477; state to furnish brick, $22,361.

Wyandot Co., Sect. "Upper Sandusky" Findlay-Upper Sandusky Rd., 0.88 mi., brick, $36,200; state to furnish brick, $25,781; bituminous concrete, $31,698.

Wyandot Co., Sect. "A" and "Carey" Fostoria-Carey Rd., 1 mi. brick, $38,527; state to furnish brick, $27,141; bituminous macadam, $34,382. L. C. Herrick, dir. highways.

Ohio—May 5, by Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties:

Clark Co., Sect. "B" Dayton-Lakeview Rd., 1,546 mi., rein.-con., $45,257; bituminous macadam. $39,951.

Clark Co., Sect. "L-1" Springfield-Washington C. H. Rd., 1.65 mi., bituminous macadam, asphalt or tar, $36,757.

Clark Co., Sect. "O" Springfield-Washington C. H. Rd., 1,857 mi., bituminous macadam, asphalt or tar, $46,520; rein.-con., $54,943; bituminous concrete, $54,492.

Geauga Co., Sect. "W-2" Chagrin Falls-Greenville Rd., and Sect. "F" Warren-Burton Rd., 4.429 mi., rein.con., $14,916.

Geauga Co., Sects. "V-2" & "W-1" Chagrin Falls-Greenville Rd., 4.946 mi., rein.-con., $16,846.

Holmes Co., Sect. "B" Navarre-Berlin Rd., 3.967 mi., plain concrete, $71,508; brick, $92,334; state to furnish brick, $70,774.

Holmes Co., Sect. "I" Mansfield-Millersburg Rd., 2.49 mi., plain concrete, $46,183; brick, $60,729; state to furnish brick, $46,131.

Knox Co., Sect. "A" Mt. Vernon-Mansfield Rd., 1.98 mi., gravel, $31,126.

Knox Co., Sect. "Sanatorium" Monroe Township, 9.734 mi., brick, $19,595; state to furnish brick, $14,795.

Marion Co., Sect. "G-3" Marion-Marysville Rd., 2.057 mi., bituminous concrete, $54,892; bituminous macadam, asphalt or tar, $45,638. L. C. Herrick, dir. highways.

O., Columbus—April 25, grading, curbing, laying water mains and paving 8,000 ft. Neil Ave., brick, $143,076, asphalt, $134,861, wood block, $253,701; grading, curbing, laying water mains, relocating cluster lights and paving 5,900 ft. 3rd St. from Naghten St. to Livingston Ave., asphalt $134,727, wood block $210,752. R. H. Simpson, City Hall, engr.

O., Continental—April 28, paving Main St. from Forest to Park Sts., Rice Rd. from 3rd to tracks of Toledo, St. Louis & Western R.R., Oak St. from Main to 6th Sts., 6th St. from tracks of New York, Chicago & St. Lawrence R.R. to Ash St., Maple St. from 5th to 7th Sts., 5th St. from Maple St. to Benton Rd., Sugar St. from 4th to Main Sts., 11,175 cu.yd. grading, 1,325 lin.ft. 10-12 in. sewer pipe, 13,858 lin.ft. 4 in. drain tile, 18,417 sq.yd. pavement, etc. G. Champe, 610 Nasby Bldg., Toledo, civil engr.

O., Euclid—May 15, grading, curbing, laying sidewalks and paving Lower Terrace, Forest and Glenridge Rds., Grand and South Lake Shore Blvds., Green Oaks, Parkview, Hill Crest, Concordia and Champ Drives, vitr. brick and asphalt. $100,000. P. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Michigan—April 25, by State Hy. Dept., Lansing, grading and surfacing 7.282 mi. State Trunk Line Rd. 65-6, Sect. B, Monroe Co., 25,430 cu.yd. excav., 76,040 sq.yd. asphalt, concrete, bituminous concrete, or three course waterbound macadam. F. F. Rodgers, state engr. Noted March 23.

Michigan—April 27, by State Hy. Dept., Lansing, grading and surfacing 2.209 mi. State Trunk Line Rd. 37-7, Barry Co., 13,365 cu.yd. excav. and 20,733 sq.yd. gravel. F. F. Rodgers, Lansing, state engr.

Michigan—May 2, by State Hy. Dept., Lansing, grading and surfacing 4.106 mi. State Trunk Line Rd. 98-2, Schoolcraft Co., 19,444 cu.yd. excav., 38,219 sq.yd. waterbound macadam; 4,234 mi. State Trunk Line Rd. 13-34, Kalhasha Co., 20,114 cu.yd. excav., 39,734 sq.yd. gravel; 2.161 mi. State Trunk Line Rd. 12-40, Schoolcraft Co., 8,549 cu.yd. excav., 20,273 sq.yd. waterbound macadam. F. F. Rodgers, state engr. Noted March 23.

Michigan—May 3, by State Hy. Dept., Lansing, grading and surfacing 7.424 mi. State Trunk Line Rd. 76-4, Sect. B, Roscommon Co., 24,957 cu.yd. excav., 69,531 sq.yd. gravel. F. F. Rodgers, state engr.

Michigan—May 4, by State Hy. Dept., Lansing, grading and surfacing 5.265 mi. Federal Aid Project 39, Sect. A, Clinton Co., 275 sta. grading, 55,021 sq.yd. asphalt, concrete or bituminous concrete. F. F. Rodgers, state engr. Noted March 23.

Wisconsin—April 25 by State Hy Comn., at div. office 5, Batavian Natl. Bank Bldg., La Crosse, Black River Falls-Millston Rd., Jackson Co., Sect. A, comprising portion between stas. 7 and 364B, incl. 20.68 acres clearing, 17.64 acres grubbing, 21,541 cu. yd. earth excav., 1,125 cu.yd. channel change, 20,201 cu.yd. borrow, 15,824 sq.yd. 18 ft. shale surfacing, Sect. B, comprising portion between stas. 364B and 610, 18.16 acres clearing, 15.68 acres grubbing, 16,584 cu.yd. earth excav., 3,817 cu.yd. borrow, 10,748 cu.yd. 18 ft. shale surfacing; Viroqua-Prairie du Chien Rd., Vernon Co., 8,660 cu.yd. earth, 5,979 cu.yd. solid rock and 930 cu.yd. loose rock excav., 149 cu.yd. borrow, alternate bids on surfacing Wisconsin Project. 136, 30,550 sq.yd. 18 ft. concrete, 10,300 bbl. cement, 28,000 lb. reinforcing, 30,550 sq.yd. 18 ft. bituminous macadam.

Wisconsin—April 26, by State Hy. Dept., at div. office 6, 213 South Barstow St., Eau Claire, grading and surfacing 2.23 mi. Durand-Eau Claire Rd., Federal Aid Project 289, Pepin Co., 10,086 cu.yd. earth excav., 983 cu.yd. gravel surfacing; 2 mi. Chelsea-Abbotsford Rd., Federal Aid Project 1015, Taylor Co., 8,010 cu.yd. earth excav., 3,296 cu.yd. gravel surfacing; 2.04 mi. Thorp-Withee Rd., Federal Aid Project 1008, Clark Co., 9,061 cu.yd., earth excav., 4,093 cu.yd. gravel surfacing; 2.68 mi. Ellsworth-River Falls Rd., Federal Aid Project 122-B, Pierce Co., 3.23 acres clearing, 15,407 cu.yd. earth, 3,424 cu.yd. rock excav., 1,409 cu.yd. borrow, bridge at sta. 179 plus 31, 45 ft. span, 149.5 cu.yd. concrete; 2.92 mi. Osseo-Eau Claire Rd., Federal Aid Project 1013, Eau Claire Co., 16,139 cu.yd. earth excav., 6,083 cu.yd. gravel surfacing.

Wisconsin—April 28, by State Hy. Dept., at div. office 7, Court House, Rhinelander, grading and surfacing 4.84 mi. Armstrong-Creek-Florence Rd., Federal Aid Project 206, Florence Co., 25.75 acres clearing, 15.75 acres grubbing, 26,070 cu.yd. earth excav., 8,211 cu.yd. gravel surfacing, etc.; 1.9 mi. Mountain-Wabeno Rd., Federal Aid Project 287, Forest Co., 2.53 acres clearing, 2.06 acres grubbing, 10,482 cu.yd. earth excav., 1,321 cu.yd. ditching, 3,297 cu.yd. 26 ft. feather edge gravel surfacing; 4.49 mi. Irma-Gilbert Rd., Federal Aid Project 223, Lincoln Co., 29.46 acres clearing, 28.7 acres grubbing, 33,479 cu.yd. earth excav., 3,303 cu.yd. borrow, 3,100 cu.yd. side ditching, 860 cu.yd. off take, 7,600 cu.yd. gravel surfacing; 2.54 mi. Polar Langlade Rd., Federal Aid Project 292, Langlade Co., 14,250 cu.yd. earth eexcav., 4,206 cu.yd. feather edge gravel surfacing, 1,973 cu.yd. of gravel in mile 1 is to come from cut at sta. 15-24 to be paid for as surfacing; 2.7 mi. Elcho-Enterprise Rd., Federal Aid Project 295, Oneida Co., 9.82 acres clearing, 6.57 acres grubbing, 14,210 cu.yd. earth excav., 4,749 cu.yd. gravel surfacing; 3.14 mi. Westboro-Prentice Rd., Federal Aid Project 297, Price Co., 11,286 cu.yd. earth excav., 646 cu.yd. borrow, 5,340 cu. yd. gravel surfacing, 120 cu.yd. stone masonry.

Streets and Roads (Continued)

Wis., Jefferson—April 28, by Jefferson Co. State Road and Bridge Com., 2.76 mi. Waukesha Co. Line-Sullivan Rd., Sect. A, 12,344 cu.yd. earth excav., 29,302 sq.yd. 18 ft. concrete surfacing; 3.47 mi. Helenville-Sullivan Rd., Sect. B, 36,620 sq.yd. 18 ft. concrete surfacing, 18,310 lin.ft. shouldering; 7.34 mi. Helenville-Jefferson Rd., Sect. C, 37,426 cu.yd. earth excav., 84,965 sq.yd. 18 ft. concrete surfacing. R. D. Royce, comr.

Wis., Monroe—April 25, by Green Co. State Road and Bridge Com., 2.5 mi. Albany-Monroe Rd., Towns of Albany and Sylvester, 6,300 cu.yd. gravel surfacing, some of this surfacing may be changed to crushed rock at west end of job; ½-mi. Albany-Brodhead West Rd., Albany, 900 cu. yd. gravel surfacing; 2 mi. Albany-Monticello Rds., Mt. Pleasant, 3,600 cu.yd. gravel surfacing; 1 mi. Monticello-Exeter Rd., Mt. Pleasant and Exeter, 1,800 cu.yd. gravel surfacing; 2 mi. Monticello-Attica Rd., Mt. Pleasant, 3,600 cu.yd. crushed rock surfacing; 1.5 mi. Twin Grove-Monroe Rd., Jefferson, 2,700 cu.yd. gravel surfacing; 1 mi. Albany-Monroe Rd., Monroe, 1,800 cu. yd. gravel surfacing; 1 mi. Browntown Rd., relocation, 11,987 cu.yd. earth excav., 16,658 cu.yd. sand rock, 4,300 cu.yd. channel change; 3.2 mi. State Line-Monroe Rd., 16,545 cu.yd. earth, 6,286 cu.yd. solid rock and 1,296 cu.yd. loose rock excav., 6,240 cu.yd. gravel surfacing; concrete surfacing Dubuque-Janesville Rd., State Trunk Highway 20, beginning at west county line running easterly, 300 cu.yd. fine grading, 2,000 lin.ft. shouldering, 6,000 sq.yd. 18 ft. concrete surfacing. C. J. Smith, comr.

Ia., Des Moines—April 24, Auditor Polk Co., grading 6,947 mi. Primary Rd. Project 244, from Altoona east to Jasper Co. Line, 87,388 cu.yd. earth excav., etc.

Ia., Marshalltown—April 25 (change of date), paving 28 blocks, 34,300 sq.yd. cement concrete or vibrolithic paving, 18,790 ft. concrete curb $75,000. A. J. Herm, city engr. Noted March 23.

Minn., Carlton—May 2, by Carlton Co., grading and gravel surfacing 6¾ mi. Job 2201, State Rd. 2; 4 mi. Job 2202, State Rd. 7. $25,000. O. W. Samuelson, aud.

Minn., Ivanhoe—April 28, by Lincoln Co., 18 mi. Job. 2201, 94,262 cu.yd. excav., 72,907 cu.yd. overhaul, 2,238 lin.ft. 12-36 in. corrugated metal culvert; Job 2202, 66,000 cu.yd. excav., 2,406 lin.ft. 12-36 in. corrugated metal culvert. $40,000. A. L. Swenson, co. aud.

Minn., St. James—April 27 by Watonwan Co., State Aid Rd. 3, 47,000 cu.yd. excav., 59,000 cu.yd. overhaul, 528 ft. 15-24 in. pipe, 782 ft. 12 in. corrigated metal pipe, etc., State Rd. 10, 500 cu.yd. gravel surfacing. $25,000. (County to furnish gravel.) A. G. Countryman, aud.

Minn., St. Paul—May 15, by G. Ries, aud. Ramsey Co., grading and paving 2.5 mi. South Robert St. from Dakota Co. Annapolis St. to Mendota Rd., concrete; resurfacing 13,330 lin.ft. Edgerton St. from Crosley to Centerville Rds. crushed rock and tarvia; 3,750 lin.ft. South Wabasha St. and Dodd Rd. from St. Paul city limits to Smith Ave., 20 ft. wide, 1 course rein.-con. $70,000, $15,000 and $24,000 respectively. R. R. Godfrey, St. Paul, engr.

Minn., Wheaton—April 25 by O. M. Anderson, aud. Traverse Co., 5 mi. Job 2201, 52,252 cu.yd. excav., 842 lin.ft. culverts; 8 mi. Job 2202, 44,036 cu.yd. excav., 1,181 lin.ft. culvert. $25,000. H. Hanson, Wheaton, engr.

Missouri—April 27, by State Hy. Dept. at div. office Ava, 8.768 mi. road northward, southward, eastward and westward through Douglas Co., State Aid Project 20.153, Douglas Co. A. Graham, Jefferson City, state highway engr. Noted April 13.

Missouri—April 27, by State Hy. Dept. at div. office Fulton, 15.756 mi. road through Calwood-Williamsburg Special Rd. Dist., Federal Aid Project 144, Callaway Co., 35,629 sq.yd. gravel and 76,196 sq.yd. plain macadam pavement, 83,191 lin.ft. grading, etc. A. Graham, Jefferson City, state highway engr.

Missouri—May 1, by State Hy. Dept. at div. office Doniphan, 5.596 mi. road from Doniphan to Poplar Bluff, Federal Aid Project 91, Sect. B, Ripley Co. A. Graham, Jefferson City, state highway engr. Noted April 6.

Missouri—May 3, by State Hy. Dept. at div. office Alton, 5.723 mi. road from Alton eastward, State Aid Project 20.123, Oregon Co. A. Graham, Jefferson City, State highway engr. Noted Dec. 8.

Missouri—May 5, by State Hy. Dept. at div. office Eminence, 4.261 mi. road through Winona, State Aid Project 20,160, Shannon Co. A. Graham, Jefferson City, state highway engr. Noted April 13.

Mo., Chillicothe—April 24, surfacing East Clay, South Vine, Walnut, West Jackson and East Webster Sts. also alley between Washington and Locust Sts. $75,000. J. Broaddus, City Hall, engr. Noted July 14.

Tex., Brownsville—April 26, by O. C. Dancey, judge Cameron Co., grading and paving 0.6 mi. State Highway 12, from city limits to Elizabeth and Stenger Sts., etc., 1,265 cu.yd. roadway excav. and 6,094 cu.yd. 2 course rein.-con. $27,500.

Tex., Glen Rose—May 1, by R. L. Bryan, judge Somervell Co., grading and gravel surfacing 3.91 mi. State Highways 10-A and 25, 4,221 cu.yd. borrow, 31,073 cu.yd. roadway, 1,391 cu.yd. loose and 1,400 cu.yd. solid rock excav., 776.6 cu.yd. concrete, 8,476 cu.yd. gravel surfacing, 83,270 lb. structural and 65,841 lb. reinforcing steel. $49,427. H. J. Cox, co. engr. Noted Feb. 2.

Tex., Johnson City—April 28, by W. Marteny, judge Blanco Co., grading and bridging 7.5 mi. State Highway 46, north from Comal Co., 26,647 cu.yd. borrow excav., 57,327 cu.yd. roadway, 440 cu.yd. loose and solid rock excav., 733.5 cu.yd. concrete, 451 sq.yd. concrete pavement, 46,751 lb. reinforcing, etc. $42,000. W. C. Jaeger, co. engr.

Tex., Kaufman—May 2, by W. P. Williams, judge Kaufman Co., surfacing with inverted penetration asphalt topping 25.4 mi. State Highway 40, 11,811 cu.yd. cover material, 251,146 gal. asphalt. $80,000. Bartlett & Ranney, Inc., co. engrs.

Col., Trinidad—April 24, 23,000 sq.yd. warrenite bitulithic on crushed stone, incl. curbing, guttering, storm sewers, etc. Douglass, Corey & Fish, Engrs., Inc., Trinidad, consult. engrs.

Col., Trinidad—May 8, 6,000 sq.yd. warrenite bitulithic on crushed stone, incl. curbing, guttering, storm sewers, etc. Douglass, Corey & Fisk Engrs., Inc., Trinidad, consult. engrs.

Col., Trinidad—May 22, 23,000 sq.yd. vertical fibre brick on concrete, incl. curbing, guttering, storm sewers, etc. Douglass Corey & Fisk, Engrs., Inc., Trinidad, consult. engrs.

Washington—May 16, by State Hy. Dept., Olympia, grading, etc., 3 mi. Inland Empire Highway from Buena to Granger, Yakima Co.; grading and gravel surfacing 4 mi. and grading 7 mi. Pend O'Reille Highway from Cusick to Locke, Pend O'Reille Co. J. Allen, state highway engr.

Wash., Montesano—May 1 by Grays Harbor Co., grading, gravel surfacing and widening 2 mi. Ocean Beach Highway, west from Hoqoiam, also construction of bridge, $29,000 and $10,000 respectively. H. S. Shorey, Montesano, engr.

California—May 1, by State Hy. Dept., Sacramento, concrete paving 4.6 mi. highway between San Juan and Pajaro River, San Benito Co.; grading 9 mi. highway between western boundary and Upper Lake, Lake Co. A. B. Fletcher, state highway engr.

Cal., Martinez—May 1, by Bd. Supervs. Contra Costa Co., constructing shoulders on 9.13 mi. highways Div. 4-11-12; oil macadam shoulders on 7.38 mi. highway between Danville and county line, Div. 18; constructing Moraga Rd., from Bryant Bridge on Tunnel Rd. to Moraga, Div. 31, R. R. Arnold, Martinez, engr.

Cal., Redondo Beach—May 1, by City Clerk, paving, curbing and guttering portions of Strand St., 42,458 sq.ft. 5 in. concrete, 3,591 lin.ft. concrete curbing, 25,400 sq.ft. rein.-con. sidewalks on wooden forms, 14,155 sq.ft. concrete and 33,680 sq.ft. rein.-con. sidewalks. $90,000. V. H. Staheli, city engr.

Nova Scotia—April 29, by Provincial Hy. Bd., Halifax, 8.85 mi. gravel road in Guysboro Co., $50,000 3.9 mi. gravel road near Bear River, Annapolis Co., $27,000, 8.77 mi. gravel road from Liverpool to Mill Village, Queens Co., $50,000, 10.05 mi. gravel macadam road from Alma to Fishers Corners, Pictou Co., $60,000, 4.95 mi. gravel macadam road, Guysboro Co., $30,000, 5.47 mi. gravel macadam road, Cape Breton Co., $32,000, 10 mi. gravel macadam from Grand Anse to St. Peters, $55,000. W. A. Hendry, Halifax, ch. engr.

Novia Scotia—April 28, by Provincial Hy. Bd., Halifax, 10.2 mi. gravel road near Antigouish, Antigouish Co., $55,000. W. A. Hendry, Halifax, ch. engr.

Prince Edward Island—April 28, by L. B. McMillan, secy. Pub. Wks., Charlottetown, roads as follows:—Tryon Rd. from Tryon to Charleton Project 24, road from Hunter River to Clifton, Project 25; road from Summerside to Miscouche, Project 26; road from Kensington to Reids Corner, Project 27; road from Kensington to Malpeque, Project 28,; St. Peters Rd. from Scotchfort to Lot 40, Project 30; road from St. Peters to Dingwells Mills, Project 31; road from Hillsboro Bridge to Orwell, Project 36; road from Clifton to French River, Project 38.

Ont., Lancaster—April 25, by A. J. MacDonald, clk. Lancaster Twp., North Lancaster, grading and surfacing with crushed rock on cobble, 17,700 ft. 7th, 9th and 4th Concessions, and side road between 16th and 17th Concessions. Dept. of Provincial Highways, Toronto, engrs.

Ont., Toronto—April 25, asphalt pavements on Small and Teraulay Sts., bitulithic on Kingswood and Pine Crest Rds., brick block on Pine Crest Rd.; curbs on Small St. and Kingswood Rd.; concrete sidewalks on Greensides Ave.; laying 6 in. water pipe in Armadale Ave. and Parkview Gardens total $250,000. R. C. Harris, city engr.

Ont., Welland—May 1, by R. Cooper, clk. Welland Co., 3 mi. Div. 5, Crowland Twp., 1¾ mi. Div. 7, Humberstone Twp.; 2 mi. Div. 27, Thorold Twp.; 5 mi. Div. 28, Wainfleet Twp.; 2 mi. Div. 11, Stamford Twp.; 2 mi. Div. 24, Pelham Twp.; 1¾ mi. Div. 70, Pelham Twp., all foregoing waterbound macadam; 2 mi. Div. 69, Bertie Twp., bituminous penetration. Bids also received for tarvia and other road preservatives. $300,000.

Hawaii, Honolulu—May 11, by J. Garrett, city clk., Kapiolan Bldg., paving in Improv. Dist. 8, 36,050 sq.yd. asphalt macadam, 49,640 sq.yd. rock sub-base, 150 lin.ft. curb, 9,700 sq.yd. gutter, 420 sq.yd. concrete sidewalk.

BIDS RECEIVED

New York—H. S. Sisson, comr. State Hy. Dept., Albany, opened bids April 14, improving (1) 4.31 mi. Highway 8095, Geo Brook-Willett, Cortland Co., (2) 3.9 mi. Highway 1626, Gardenville-Williamsville, Part 2, Erie Co., (3) 3.38 mi. Highway 1577, West Corners-Redwood, Jefferson Co., (4) 6.44 mi. Highway 1616, Barnes Corners-Copenhagen, Part 1, Lewis Co., (5) 0.57 mi. Highway 5673, Oriskany Falls-Madison St., Oneida Co., (6) 1.28 mi. Highway 1614, Ithaca City-Hector St., Tompkins Co., (7) 3.07 mi. Highway 1623, Mecklenburg-Ithaca, Part 2, Tompkins Co., (8) 0.89 mi. Highway 1622, Wyoming Village-Main St., Wyoming Co., repairing (9) 1.83 mi. Repair Contr. 1351, Highway 991, Erie Co., (10) 2.91 mi. Repair Contr. 1349, Highways 714 and 715, Livingston Co., (11) 4.04 mi. Repair Contr. 3010, Highways 635 and 5323, Ontario Co., from Hoose-Carli Constr. Co., Afton, (1) $121,910; C. D. Murray, Syracuse, (1) $128,726; F. H. Rhodey, Albion, (1) $134,441, (4) $121,512; Peoples Paving Co., 85 Roma Ave., Buffalo, (2) $123,140; C. H. Sage, Batavia, (2) $128,368, (10) $84,405; Ribstein-Holter Co. Inc., Rochester, (2) $129,587; Vass & Hollenbeck, Fort Covington, (3) $90,896, (4) $114,951; D. J. McConville, Ogdensburg, (3) $92,351; J. E. Martin Constr. Corp., Utica, (3) $94,995, (5) $16,208; H. P. Burgard Co., 1968 Fillmore Ave., Buffalo, (4) $115,764; N. D. Peters & Co., 216 Kossuth Ave., Utica, (5) $15,673; J. F. Paddelford, North Main St., Sherburne, (5) $16,012; S. K. Johnson, Norwich, (6) $64,921, (9) $26,625; W. Hasard, Ithaca, (6) $68,645, (7) $92,532; A. J. Rockwood, Rochester, (6) $69,835, (7) $98,101; B. Shay, Dundee, (7) $98,976; Ford & Keyser, Batavia, (8) $47,185, (11) $99,153; Rochester Foundation Co., Inc., Rochester, (8) $48,859; Oatka Eng. & Constr. Co., Warsaw, (8) $49,399; Hessell & Son, East Aurora, (9) $24,923; Lathrop, Shea & Henwood Co., Ellicott Sq., Buffalo, (9) $29,204; Goconco Eng. Co., 566 5th St., Brooklyn, (10) $80,409; Wing & Munger, Holley, (10) $83,547, (11) $100,878; Westchester Constr. Co., Yonkers, (11) $99,792. Noted April 6.

N. Y., S. I., St. George—M. J. Cahill pres. Richmond Boro, Boro Hall, opened bids April 11, repaving (1) roadway of Richmond Terrace, temporary sanitary sewer in (2) Catherine St. from Richmond Terrace to point about 420 ft. southward, from J. Johnson Sons, 455 Bway., West New Brighton, (1) $121,079, (2) $7,720; M. I. Sax & Leedecke, (1) $121,419; Brooklyn, Manhattan Contg. Corp., 26 Court St., Brooklyn, (1) $124,412; J. G. Orrico, 500 Britton Ave., Concord, (2) $6,033; J. E. Donovan, 2205 Richmond Terrace, Port Richmond, (2) $6,857. Noted April 6.

N. Y., Syracuse—Bd. Contract & Supply opened bids April 10 paving (1) Oak St. from Manlius to Rugby Rds., (2) Spencer St. from Clinton to Sand Sts., both bituminous concrete, (3) Sedgewick Dr. from James to Farmer Sts., vitr. brick and bituminous concrete, from F. J. Baker, University Bldg., (1) $20,374, (2) $42,152, (3) $27,248; G. B. Dickison, Union Bldg., (1) $20,477, (2) $41,730, (3) $26,710; C. T. Hookway, Bastable Bldg., (1) $21,175, (3) $27,885; J. H. Gallup, Union Bldg., (2) $40,692. Noted March 30.

Streets and Roads (Continued)

Va., Norfolk—Opened bids April 7, improving Plume, Clifton, Blow, 20th, 37th, 40th and 44th Sts., from F. J. McGuire, Paul-Gale-Greenwood Bldg., $65,105; J. U. Addenbrooks Sons, 125 East 24th St., $69,437; Tolson & Johnson, Law Bldg., $78,400. Noted April 6.

La., New Orleans—Opened bids March 14, paving 10,400 sq.yd. Audubon Blvd. from Poplar to South Clariborne Sts., 4,160 sq.yd. Audubon Blvd. from Green to South Clairborne Sts., 8,390 ft. Baronne St., 16,000 sq.yd. South Broad St. from Canal to New Basin Sts., 12,360 sq.yd. South Broad St. from New Basin to Melpomene Sts., 5,420 sq.yd. South Broad St. from Melpomene to Washington Sts., Carondelet St. from Philip to Napoleon Aves., 1,270 sq. yd. Chestnut St., 3,280 sq.yd. Elm St. from Bway. to Adams St., 13,900 sq.yd. Elysian Fields St., 8,080 sq.yd. Howard St. from Calliope to 1st Sts., 12,260 sq.yd. Howard St. from 1st to Harmony Sts., 6,020 sq.yd. Howard St. from Harmony to Napoleon Sts., 4,030 sq.yd. Iberville St., 780 sq.yd. Penn St., 6,730 sq.yd. Poplar St., 4,250 sq. yd. Poydras St., 4,250 sq.yd. South Rampart St., 7,220 sq.yd. Terpsichore St., 3,120 sq. yd. Upper Line St., 12,250 sq.yd. Willow St., all bituminous concrete, from J. D. Walker, Marine Bank Bldg., $1.38 per sq. yd.; 14,930 sq.yd. Chartres St. and 36,500 sq.yd. Magazine St., creosoted wood block, from Jamison-Hallowell Constr. Co., 835 North Court St., Montgomery, Ala., $3.95 and $1.73 per sq.yd., respectively; 5,460 sq.yd. Bayou St., bitulithic, from Southern Rds. Co., Weis Bldg., $1.75 per sq.yd.; 840 sq.yd. Elm St., bituminous concrete, from Chichamauga Constr. Co., $3.95; 16,500 sq. yd. Elmira St., concrete clay and gravel, from V. Lambou, 1035 Moss St., $2.71; 2,130 s.yd. Erato St., and 2,620 sq.yd. Girod St., creosoted wood block, from Johnson-Hallowell Constr. Co., $3.95 and $3.50 per sq.yd., respectively; 9,300 sq.yd. Freret St., creosoted wood block from A. P. Boh & Co., 4148 Banks St., $3.10 per sq.yd. $4,500 sq.yd. Law St., chert., from W. J. Comerford, 2213 Burdette St., $2.10; 3,900 sq.yd. Thalia St., creosoted wood block, from H. Reynolds, Maison Blanche Bldg., $3.20. Noted March 9.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids April 10, grading, bridging and paving roads with (a) Kentucky rock asphalt, (b) asphaltic macadam, (c) tar macadam, (d) rein.-con., (e) brick, (f) state to furnish brick, (g) bituminous concrete, (h) concrete, (i) Willite asphalt, in following counties: Allen Co., Sect. "A-1" West Minster-New Hampshire Rd., 1.051 mi., from C. V. Rector, Muncie, Ind., (a) $26,710, (b) $20,372, (c) $20,265; R. Stone Constr. Co., Lima, (a) $28,060, (b) $19,940, (c) $20,475; G. B. Walther, 504 Opera House Blk., Lima, (b) $20,941, (c) $21,250; F. A. Frobase, 628 West North St., Lima, (d) $30,038; Lima Willite Paving Co., Lima, (d) $30,974; Central Paving Co., Hamilton, (d) $31,187. Darke Co., Sect. "A" Greenville-Union City Rd., 4.376 mi., from Studebaker & Son, Greenville, (e) $147,412; Mannix Bros., Greenville, (e) $148,877; Republic Asphalt Paving Co., 702 Commercial Bldg., Dayton, (e) $149,972, (f) $130,000, (g) $135,830; V. C. Smith, 51 Oxford Ave., Dayton, (d) $117,138, (f) $108,078, (g) $146,079; Rockford Constr. Co., Rockford, (d) $119,201; C. L. Straw, Paulding, (d) $119,925; A. G. Pugh, Columbus, (g) $149,953. Mahoning Co., Sect. "C" Youngstown-East Liverpool Rd., 3.33 mi., from J. D. Paxon, Salem, (b) $89,079, (c) $89,079, (h) $90,311; L. Tiberio, 1 Ellenwood Ave., Youngstown, (h) $97,591; T. W. Miller Constr. Co., 3 South Side Savings Bank Bldg., Youngstown, (h) $98,308; Smith Constr. Co., Youngstown, (b) $90,528, (c) $90,528; R. N. Millere, Youngstown, (b) $99,941, (c) $99,941. Van Wert Co., Sect. "K" Van Wert Paulding Rd., 6.168 mi., from R. Doavst, Defiance, (d) $161,287; Rockford Constr. Co., Rockford, (d) $167,485; Scott Constr. Co., Lima, (d) $174,213, (i) $167,873; C. S. Wilcox, Ada, (c) $135,536; D. W. Botkin & Son, Columbus, (b) $138,484, (c) $138,433; C. V. Rector, Muncie, Ind., (b) $137,783, (c) $137,263; C. S. Wilcox, Ada, (b) $135,536; R. Stone Constr. Co., Lima, (i) $173,181; Lima Willite Co., Lima, (i) $182,996. Noted April 6.

Ohio—Dept. Highways and Pub. Wks., Columbus, opened bids April 14, grading, bridging and paving roads with (a) rein.-con., (b) asphaltic macadam, (c) tar macadam, (d) waterbound macadam, (e) Kentucky rock asphalt, (f) bituminous concrete, lake, (g) bituminous concrete, oil in following counties: Auglaize Co., Sect. "D" Bellefontaine-Wapakoneta Rd., 1.557 mi., from Radebaugh & Graham, Columbus, (a) $36,911; Lima Willite Co., Lima, (a) $39,953, (b) $33,962; Scott Constr. Co., Lima, (a) $42,005, (b) $32,701, (c) $33,085; R. Stone Co., Lima, (b) $30,347, (c) $31,093. Geauga Co., Sect. "C" Cleveland-Burton Rd., 4.97 mi., from Post Constr. Co., Cleveland, (d) $99,717; M. C. Miller, 314 East Northwood Ave., Columbus, (d) $100,592; Newhall Co., Cleveland, (d) $100,740. Jackson Co., Sect. "L" Chillicothe-Jackson Rd., 4.318 mi., from J. P. Petrie, Logan, (a) $129,053, (b) $123,530; Brewer & Brewer Sons., Chillicothe, (a) $132,319, (b) $107,899, (c) $107,899; O. M. Junk, Chillicothe, (a) $132,906, (b) $123,499; Miller Bros., Gallipolis, (c) $118,782; Foy-Nixon Co., Columbus, (c) $119,413. Jackson Co., Sect. "M" Chillicothe-Jackson Rd., 1.921 mi., from J. O. Petrie, Logan, (a) $56,009, (b) $51,768; O. M. Junk, Chillicothe, (a) $57,055, (b) $51,757; Brewer & Brewer Sons, Chillicothe, (a) $57,929, (b) $47,112, (c) $47,112; Miller Bros., Gallipolis, (c) $49,932; Foy-Nixon, Columbus, (c) $50,368. Lake Co., Sect. "A" Painesville-Ravenna Rd., 4.53 mi., from Post Constr. Co., Cleveland, (a) $94,011; L. G. Booth, Painesville, (a) $102,113; Gluss Bros., Hamler, (a) $106,798. Miami Co., Sect. "D" Greenville-Covington Rd., 3.875 mi., from Gluss Bros., Hamler, (a) $100,616; Radebaugh & Graham Co., Columbus, (a) $103,910; Republic Asphalt Paving Co., 702 Commercial Bldg., Dayton, (a) $104,632, (f) $115,964, (g) $110,814; Rennick & Smith, Columbus, (e) $119,752; Hoolihan, 1406 Riverview St., Dayton, (e) $124,134, (g) $117,987; Wilson Eng. Co., Xenia, (e) $124,989; A. G. Pugh, Columbus, (g) $128,574. Miami Co., Sect. "A" Piqua-Covington Rd., 4.235 mi., from Gluss Bros., Hamler, (a) $101,771; Republic Asphalt Paving Co., 702 Commercial Bldg., Dayton, (a) $102,722; C. L. Straw, Paulding, (a) $103,583, (e) $103,583; Ada Constr. Co., Ada, (e) $95,689; Harshman & Jarrell, Frankfort, Ind., (e) $100,932. Noted April 6.

O., Cleveland—Grading, curbing and paving (1) East 67th St. from Worley to Collier Aves., (2) Helena Ave. from East 105th St. to Parkwood Dr., (3) Dawning Ave. from West 35th St. to Pearl Rd., (4) Oakwood Ave. from East 71st to East 72nd Sts., (5) Aetna Rd. from East 28th to East 82nd Sts. (1-5 inc.) involve 6,300 lin.ft. stone curb and 4 in. tile gutter, 4,200 cu. yd. earth excav., 84,440 sq.ft. vitr. brick on concrete, (6) Hough Ave. from East 40th to East 55th Sts., (7) West 36th St. and Revere Court from Broadview Rd. to Revere Court, (8) Wellesley Dr. from East 49th to East 51st Sts., (9) Caine Ave. from East 131st St. to city limits (6-9 inc.) involve 5,560 lin.ft. stone curb and 4 in. tile gutter, 4,480 cu.yd. earth excav., 9,064 sq.yd. asphalt, 82,800 sq.ft. vitr. brick on concrete, from Garland Bros., Pavers Exch., Society for Saving Bldg., (1) $4,362, (4) $4,377, (8) $8,570; Enterprise Paving & Constr. Co., 8444 Bway., (1) $4,367; Baldwin Bros., 4500 Euclid Ave., (2) $8,463, (5) $13,178; H. G. Herring, Pavers Exch., Society for Savings Bldg., (2) $8,683; Roehl Bros., West 25th St. and Clark Ave., (3) $15,255, (7) $12,471; Freshwater Constr. Co., Natl. Bldg., (3) $15,677, (9) $34,006; A. M. Pejsa, Euclid Heights Blvd., Cleveland Heights, (4) $4,657; M. A. Ryan, Pavers Exch., Society for Savings Bldg., (5) $13,356; Cleveland Trinidad Paving Co., The Arcade, (6) $18,481, (8) $7,034; McHugh Bros., Pavers Exch., Society for Savings Bldg., (6) $23,649, (7) $13,535; W. McDowell & Son, 10319 Miles Ave., (9) $32,936.

O., Cleveland—Opened bids April 5, grading, curbing and paving (1) Joan Ave., (2) Benham Ave., (3) Nanford Rd., (4) West 97th St., (5) Macauley Ave., 9,955 lin. ft. stone curb and 4 in. tile gutter, 6,645 sq.ft. asphalt, 124,070 sq.ft. vitr. brick on concrete, from Cleveland Trinidad Paving Co., The Arcade, (1) asphalt $11,372, (3) asphalt $7,071, (5) asphalt $10,443; Roehl Bros., West 25th St. and Clerk Ave., (1) brick, $12,401, (4) $6,269; Baldwin Bros., 4500 Euclid Ave., (2) $26,663; M. A. Ryan, Pavers Exch., Society for Savings Bldg., (2) $27,722; Freshwater Constr. Co., Natl. Bldg., (3) brick $7,994, (4) $6,216; Gould & Maybach, 823 East 150th St., (5) brick $11,913. Noted March 30.

Mich., Detroit—Paving with 3 in. sheet asphalt on 6 in. concrete, (1) Beechwood Ave., (2) Canton Ave., (3) Cloverlawn Ave., (4) Gibson Ave., (5) Gratiot Ave., (6) Northlawn Ave., (7) Ogden Ave., (8) Rosemary Ave., (9) Richton Ave., (10) Stoepel Ave., (11) 12th St., (12) Yosemite Ave., from Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) $48,709, (2) $5,325, (3) $29,806, (4) $2,211, (5) $11,440, (6)$27,795, (7) $6,523, (8) $21,854, (9) $31,294, (10) $5,787, (11) $19,669, (12) $9,197; Cleveland Trinidad Paving Co., 402 Hammond Bldg, (1) $49,926, (2) $5,492, (3) $30,976, (4) $2,402, (5) $11,875, (6) $28,881, (7) $7,036, (8) $22,872, (9) $30,537, (10) $6,023 (11) $19,144, (12) $9,431; Willite Rd. Constr. Co., 600 Griswold St., (1) $52,753, (2) $5,938, (3) $33,354, (4) $2,368, (5) $12,725, (6) $31,099, (7) $7,343, (8) $24,617, (9) $34,496, (10) $6,482, (11) $21,409, (12) $10,178. Noted March 23.

Neb., Lincoln—Paving, curbing and guttering, (1) Euclid St. between 16th and 17th Sts., Dist. 319, 985 sq.yd. asphaltic concrete, etc., (2) S St. between 27th and 32nd Sts., Dist. 426, 5,900 sq.yd. asphaltic concrete, 81 sq.yd. concrete alley returns, etc., (3) S St. between 33rd and 35th Sts., Dist. 430, 2,258 sq.yd. asphaltic concrete, etc., (4) Whittier St. between Hold and Potter, Dist. 470, 1,520 sq.yd. asphaltic concrete, 27 sq.yd. concrete, etc., from Abel Constr. Co., Terminal Bldg., (1) $3,176, (2) $18,772, (3) $7,100, (4) $4,894; Burke-Cochrane Constr. Co., 822 First Natl. Bank Bldg., (1) $3,206, (2) $18,654, (3) $7,089, (4) $4,962. Unit prices on asphaltic concrete range from $2.45 to $2.50 per sq.yd.

Missouri—State Hy. Dept. at div. office Bethany, opened bids March 30, (1) 6.169 mi. road from New Hampton eastward and westward, Federal Aid Project 50, Harrison Co., (a) 48,006 cu.yd. earth excav., (b) 13,830 cu.yd. borrow, etc., (2) one 50 ft. pony truss, two 20 ft. and one 50 ft. rein.-con. slab spans on above road, from W. R. Larson Constr. Co., 520 2nd Natl. Bank Bldg., Sioux Falls, S. D. (1a) $0.245, (1b) $0.22, total $24,363, (2) $15,947; Thompson & McDaniel, Wapello, Ia., (1a) $0.265, (1b) $0.264, $26,211, (2) $14,790; M. E. Gillioz, Monett, (1a) $0.28, (1b) $0.25, $26,559, (2) $16,377. Noted March 23.

Missouri—State Hy. Dept. at div. office Carthage, opened bids March 23, 6.975 mi. road from Carthage to Springfield, Federal Aid Project 169, Jasper Co., from Easley Bros., Aurora, Ill., $18,879; M. A. Holman Constr. Co., Carterville, $21,444; Carterville Constr. Co., Carterville, $22,022. Noted March 16.

Missouri—State Hy. Dept. at div. office Gainesville, opened bids March 28, 21.214 mi. road from Gainesville to West Plains, Federal Aid Project 111, Sect. B, Ozark Bldg., Sioux Falls, S. D. (1a) $0.245, (1b) 5,649 cu.yd. borrow, etc., from Alexander & Baily, Springfield, (a) $0.39, (b) $0.39, total $53,116; Summerfield Jones Co., Springfield, (a) $0.40, (b) $0.37, $55,235; Davis Constr. Co., Imboden, Ark., (a) $0.50, (b) $0.45, $63,191. Noted March 16.

Missouri—State Hy. Dept. at div. office Galena, 3.61 mi. road from Reed Springs to Blue Eye, Federal Aid Project 161, Sect. D, Stone Co., (a) 24,784 cu.yd. earth excav., (b) 4,327 cu.yd. borrow, etc., from M. E. Gillioz, Monett, (a) $0.40, (b) $0.40, total $20,950; Oberlander Bros., Nixa, (a) $0.45, (b) $0.40, $22,837; P. H. Sharp, Reed Springs, (a) $0.50, (b) $0.50, $25,295. Noted March 9.

Missouri—State Hy. Dept. at div. office Hermitage, opened bids April 1, (1) 7.035 mi. road from Collins to Preston, Federal Aid Project 98, Hickory Co., (a) 27,160 cu.yd. earth excav., (b) 1,434 cu.yd. rock excav., (c) 4,560 cu.yd. borrow, (d) 49,766 sq.yd. gravel pavement, etc., (2) 7.4 mi. road from Preston northward and southward, Federal Aid Project 45, Hickory Co., (a) 29,157 cu.yd. earth excav., (b) 50,525 sq.yd. gravel pavement, etc., from M. E. Gillioz, Monett, (1a) $0.35, (1b) $2, (1c) $0.35, (1d) $0.35, total $37,953, (2a) $0.35, (2b) $0.25, $31,689; Miller Constr. Co., Springfield, (2a) $0.37, (2b) $0.375, $39,465; Allhands & Davis, Joplin, (2a) $0.45, (2b) $0.37, $41,499. Noted March 23.

Missouri—State Hy. Dept. at div. office Nevada, opened bids March 25, 6.676 mi. road from Nevada to Fort Scott and Nevada to El Dorado Springs, State Aid Project 20.72, Vernon Co., from Allhands & Davis, Joplin, $15,552; Gouterman & Anchors, Sheldon, $16,358; A. T. Cook, Ottawa, Kan., $16,436. Noted March 16.

Ark., Marked Tree—Opened bids April 12, 10 mi. pavement Ozark Trail Impvt. Dist., Poinsett Co., from De Mars & Paradis, Helena, $247,125; Hansen Constr. Co., Blytheville, $274,900; Genl. Constr. Co., 582 Arcade Bldg., St. Louis, Mo. Noted March 23.

Tex., Greenville—Hunt Co. surfacing 12.16 mi. State Highway 42, from F. P. McElwrath, Corsicana, $48,859; Hunt Co., c/o O. P. McWhirter, co. judge, Greenville, $57,665; J. E. Ward, 510 Slaughter Bldg., Dallas, $75,217. Noted March 30.

Wash., Seattle—Bids opened April 7, paving, Bothell Way, et al., 17,050 sq.yd. 8 in. concrete, 5,400 lin.ft. concrete curbing, etc., from R. G. Stevenson, 1327 Ewing St., $51,475, Independent Asphalt Paving Co., Seaboard Bldg., $51,861, J. L. Smith, Pioneer Bldg., $50,925; North and East 42nd Sts., 21,000 sq.yd. 6 in. concrete, 12,550 lin. ft. asphalt concrete curbing, 5,300 cu.yd.

Streets and Roads (Continued)

earth excav., from R. G. Stevenson, 1327 Ewing St., $58,110, J. B. Covello, 1510 16th Ave. S., $58,201, D. H. Traphagen, Walker Bldg., $59,714.

CONTRACTS AWARDED

R. I., Central Falls—Pub. Wks. Dept. will pave Henry, Hadwin and Hunt Sts., waterbound macadam, concrete curbing and guttering, by day labor. $25,000.

Conn., Bridgeport—Dept. Pub. Wks. will repair waterbound macadam streets, 40,000 yd. crushed stone, by day labor. $200,000. Noted Feb. 2.

N. Y., Buffalo—Repaving Kensington Ave. from Bailey Ave. to city line, standard asphalt on concrete, to H. P. Burgard Co., 1968 Fillmore Ave., $77,075.

N. Y., Horseheads—Bd. Trustees, paving, curbing and guttering South Main St., 2,200 cu.yd. earth excav., 1,120 cu.yd. 1:2:3 and 4 rein.-con., 100 cu.yd. coarse gravel sub bottom, etc., to Holleran Bros., 901 Linden Pl., Elmira, $20,420. Noted March 30.

N. Y., New York—J. Miller, pres. Manhattan Boro, Municipal Bldg., repairing asphalt pavements in railroad area when and where directed by chief engineer, to Brusstar Constr. Co., Inc., Harlem River and 150th St., $69,100; repaving Ludlow and Suffolk Sts., to O'Rourke Contg. Co., 1476 Bway., $31,194 and $25,669 respectively; Vesey St., to J. Meehan & Son, 74 Cortlandt St., $18,241; Ave. A and East 111th St., to Asphalt Constr. Co., 208 Bway., $62,778 and $23,366 respectively. Noted April 13.

N. Y., Oswego—Bd. Supervs. Oswego Co. will construct 0.6 mi. Dugway Rd., in Albion; 1 mi. Altman-Orwell Rd., Albion; 0.5 mi. Panther Lake Rd., Amboy; 1.5 mi. Panther Lake Rd., Constantia; 1 mi. South Hannibal-Bowens Corners Rd., Granby; 1 mi. Granby Center Rd., Granby; 1.5 mi. North Hannibal Rd., Hannibal; 1.5 mi. Hastings Center Rd., Hastings; 2 mi. Mexico-Colosse Rd., Mexico; 1 mi. New Haven-Vermillion Rd., New Haven; 1 mi. Granby Center Rd., Minetto; 1.5 mi. Orwell-Bennet Bridge Rd., Orwell; 0.5 mi. Boulevard Rd., Oswego; 2 mi. Fulton-Central Sq. Rd., Palermo; 1 mi. North Camden Rd., Parish; 2.2 mi. Redfield-Camden Rd., Redfield; 1 mi. Fernwood Rd., Richland; 1 mi. Lake Rd., Sandy Creek; 2 mi. Fulton-Central Sq. d., Schroeppel; 1.5 mi. Lycoming Rd., Scriba; 1.5 mi. Volney-New Haven Rd., Volney; 1 mi. Maple Hill Rd., Williamstown. All bituminous macadam. Work will be done by day labor under supervision of E. A. Howard, co. supt. of highways.

N. Y., Warsaw—Bd. Superv. Wyoming Co. will construct 2 mi. Arcade-East Arcade Rd., in Arcade; 1 mi. Vernal-Attica Rd., Attica; 2 mi. Cowlesville-Bennington Center Rd., Bennington; 1 mi. Lake Rd., Castile; 1 mi. LaGrange-Pavilion Rd., Covington; 0.75 mi. Bliss-Centerville Rd., Eagle; 0.5 mi. Silver Springs-Castille Rd., Gainesville; 1 mi. Hardys-Hermitage Rd., Gainesville; 1.13 mi. Java Center-North Java Rd., Java; 0.5 mi. Dale West Middlebury Rd., Middlebury; 0.5 mi. Ridges Corners-Saltvale Rd., Middlebury; 0.5 mi. Hards-Pipe 5 Corners Rd., Pike; 1 mi. road in Sheldon and 1.25 mi. road in Wethersfield, all bituminous macadam work will be done by day labor, under supervision of co. superintendent. To exceed $25,000.

N. J., Freehold—Bd. Freeholders Monmouth Co., paving 1¼ mi. Matawan Keyport Rd., concrete, to M. I. Demarest, 472 Cliff Rd., Sewaren, $54,736; 2¼ mi. Elberon Rd. between Deal and Shadow Lawn, concrete, to Newark Paving Co., 133 1st St., Newark, $104,970. Noted March 30.

N. J., Morristown—Morris Co. repairing 17,000 sq.yd. Mendham-Chester Rd., to P. Ganerone, Nutley, $69,806.

N. J., Somerville—Somerset Co. paving Route 9, Sect. 6 from here to Bound Brook, 29,237 sq.yd. concrete, to Salmon Bros., Main St., Netcong, 88⅞% of engineers estimate ($148,489). Noted March 9.

Pennsylvania—State Hy. Dept., Harrisburg, 15,128 ft. Route 225, Radnor Twp., Delaware Co., to Dunleavey Bros. Co., 9 Pennegear Bldg., Coatesville, $134,759. Noted March 9.

Pa., Pittsburgh—Allegheny Co., to T. Cronin Co., South 18th St., 5,990 ft. brick block on Hoffman Rd. from Troy Hill Rd. to Nillvale, Reserve Twp., $68,939, 6,525 ft. asphalt and concrete, Narrows Run Rd. from Moon to Carnot, Moon Twp., $37,354, 6,700 ft. rein.-con. on River Rd. from McKees Rocks boro line to Fleming Park Bridge, Stowe Twp., $79,152, 22,650 ft. rein.-con. and asphalt on road from Clinton to Moon, Finley and Moon Twps., $125,389, 13,050 ft. asphaltic concrete and asphalt block, Becks Run Rd., Baldwin Twp., $306,127; to McLaughlin Contg. Co., Germania Bldg., 25,080 ft. rein.-con. on road from Cliff Mine to Coraopolis Heights Rd., Finley and Moon Twps., $142,310.

W. Va., New Cumberland—Comrs. Hancock Co. constructing 7,200 ft. Morrow Rd., Butler Dist., bituminous concrete, to F. Robinson, New Cumberland, $25,000.

N. C., Leaksville—Will pave various streets, asphalt, by day labor. Webb & Cole, Calisbury, engrs. See "Miscellaneous under Bids Desired."

N. C., Selma—Paving various street, sheet asphalt on concrete, with granite curbing, to J. F. McGuire, Paul-Gale-G Bldg., Norfolk, Va. $29,000. Noted March 2.

Miss., Vicksburg—Warren Co. gravel surfacing Baldwins Ferry Rd., to Roach & Stansel, North Memphis Bank Bldg., Memphis, 51,529 cu.yd. common excav. $0.185, 41,932 cu.yd. borrow $0.185, 608 ft. 15 in., 98 ft. 18 in., 285 ft. 24 in. and 70 ft. 30 in. D. S. V. C. pipe, $2.75, $3.25, $4.50 and $6.50 respectively, 100 cu.yd. concrete $20, 11,800 cu.yd. gravel in place $1.95, 608 ft. 16 in., 98 ft. 18 in., 185 ft. 24 in. and 70 ft. 30 in. c.i. pipe, $2.80, $3.70, $4.20 and $6 respectively, total with D. S. V. C. pipe $45,862, with c.i. pipe $45,816. Noted March 30.

O., Euclid—Paving Hawthorne, Glenbrook, Idlehurst, Oakhill, Chatworth, Beverly Hills and Yosemite Rds., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $128,653. Noted April 13.

Ohio—Dept. Highways and Pub. Wks., Columbus, grading, bridging and paving roads in following counties: Brown Co., Sect. "Fayetteville" Milford-Hillsboro Rd., 0.61 mi., asphalt macadam, oil to C. J. Uible, Westboro, $14,436. Brown Co., Sect. "Hammersville" Cincinnati-West Union Rd., 0.637 mi., asphalt macadam oil to Burris, Hanlon, Jones & Park, Hammersville, $14,390. Carroll Co., Sect. "L" Canton-Steubenville rd., 5.482 mi., tar macadam, to Guilford-Wright Co., Akron, $174,345. Highland Co., Sect. "R" Hillsboro-Washington Rd., 4.942 mi., asphalt macadam, oil, to J. M. Day Constr. Co., Peebles, $86,886. Logan Co., Sect. "Huntersville" Bellefontaine-Lima Rd., 0.549 mi., rein.-con. to Scioto Constr. Co., Kenton, $18,997. Logan Co., Sect. "Lakeview" Bellefontaine-Wapakoneta Rd., 0.678 mi., rein.-con. to Scioto Constr. Co., Kenton, $17,668. Logan Co., Sect. "A" Bellefontaine-Marysville Rd., 5.599 mi., rein.-con., to D. Aller, Findlay, $164,298. Logan Co., Sect. "Zanesfield" Bellefontaine-Marysville Rd., 0.317 mi., rein.-con., to Dorris Constr. Co., 320 Metropolitan Bldg., Akron, $11,759. Meigs Co., Sect. "Middleport" Middleport Portland-Jackson Rd., 0.524 mi., brick, to Ryan Stone & Constr. Co., Maumee, $23,905. Noted March 23.

O., Columbus—W. H. Duffy, dir. Pub. Serv. to Yale Constr. Co., Columbus, grading, curbing and paving alley north of Fulton St., $1,716, alley west to Forsythe Ave., $2,383, alley north of 4th Ave., $2,404, 2nd alley west of 9th St., $1,318; to R. J. Dienst, 68 South Harris Ave., alley west of 20th St., $4,405, alley north of Jackson St., $5,672, alley north of 9th Ave., $3,731. All concrete. Noted March 30.

Michigan—State Hy. Dept., Lansing, grading and surfacing 1.454 mi. State Trunk Line Rd 11-24, Ottawa Co., to Willite Rd. Constr. Co., 600 Griswold St., Detroit, $35,886. Noted March 30.

Ill., Geneva—See "Sewers."

Ill., Joliet—Paving Meeker St. between Collins and Royce Ave., vitr. brick on rein.-con., to J. McCarthy Constr. Co., Joliet, $26,256. Noted Feb. 9.

Wis., Green Bay—Brown Co., Green Bay-Shawano Rd., to Manitowoc Constr. Co., Manitowoc, 26,018 cu.yd. earth excav. $0.80, 408 cu.yd. borrow, $0.80, 73,857 sq.yd. concrete surfacing $1.28, etc., total $125,623; to Universal Eng. Co., Eau Claire, 16,948 cu.yd. earth excav. $0.90, 300 cu.yd., solid rock $2.75, 57,885 sq.yd. concrete surfacing $1.48, etc., total $104,480; Green Bay-Manitowoc Rd. 51,916 cu.yd. earth excav. $0.70, 109,534 sq.yd. cement concrete surfacing $1.27, etc., total $194,008. Noted March 30.

PAVING—PINE BLUFF, ARK.

Bids were opened by city, March 24, for paving and constructing sewers (lowest 3 bidders), from (A) Kelliher Constr. Co., Little Rock (awarded contract); (B) P. F. Connelly; (C) McEachin & McEachin. The unit bids were as follows:

	A	B	C
102,000 cu.yd. excavation	$0.40	$0.40	$0.45
34,083 sq.yd. 6-in. concrete pavement, 1:2:3 mix.	1.91	1.95	2.19
3,320 ft. 12 in. storm sewer	0.94	1.25	0.95
1,316 ft. 15 in. storm sewer	1.34	1.45	1.25
1,949 ft. 18 in. sewer pipe	1.75	1.75	1.58
761 ft. 21 in. sewer pipe	2.55	2.10	1.15
32 catch basin inlets	50.00	40.00	40.00
20,819 ft. curb and gutter, 12 in. curb, 18 in. gutter	0.56	0.66	0.67
114 cu.yd. Class A concrete	15.00	27.00	20.00
Extended totals	$94,387	$99,674	$106,109

Wis., Superior—Paving 3,500 ft. West 5th St. from Stinson St. to Robinson Ave. and Robinson Ave. from West 5th to West 4th Sts., concrete on crushed rock, to V. Nelson, 2002 Maryland Ave., $48,764; 5,700 ft. 21st St. from Tower to New York Aves., concrete on crushed rock, to M. Peterson, 1901-13th Ave. $67,454.

Ia., Dubuque—Paving 5 mi. various streets, incl. 4th, 10th, Winona, Vista, West 5th, East 21st, Hill and Alpine Sts., and Langworthy Ave., to J. F. Lee Paving Co., Dubuque, bitulithic and asphalt, $130,000; Jackson St. and Caledonia Pl., to Even-Uhlrich-Staner Co., Dubuque, vibrolithic, $50,000. Noted Feb. 9.

Ia., Muscatine—For 64,507 sq.yd. brick and concrete paving and 29,335 lin.ft. concrete curb and gutter, to Korneman & Smith Co., Muscatine, Layton Constr. Co., Muscatine, and P. C. Flutter, 1829 East 12th St., Des Moines. Total $179,465.

Minnesota—State Hy. Dept., St. Paul, State Project 10-44, Kandiyohi Co., 18,000 sq.yd. concrete paving, to J. C. McKusick, Atwater, $2.03 per sq.yd. Noted March 23.

Tex., Dallas—Paving 1 mi. Clinton Ave. from Kingshighway to south city limits, 2 in. surface of uvalde rock asphalt on 5 in. concrete to Uvalde Paving Co., Insurance Bldg., Dallas, $93,107.

Nevada—State Hy. Dept., Carson City, grading, surfacing etc., 8.28 mi. Lincoln Highway, Leetville to Hazen, Federal Aid Project 34, Churchill Co., to J. H. Causten, Lovelock, $49,540; 7.04 mi. Federal Aid Project 33, 5.72 mi. south of Yerington to Wilson, Lyon Co., to J. Ross, Yerington, $53,889; 4.19 mi. Bulkhead-Aurora Rd., Federal Aid Project 8-A, Lyon Co., to Kroft & Bundy, Ogden, Utah, $22,928. Noted March 30.

Cal., Bakersfield—Improving Kentucky St. between Baker and Gage Sts., 1,670 sq.ft. 1½ in. warrenite on 3½ in. asphaltic concrete, 614 sq.ft. concrete gutters and 324 lin.ft. concrete culverts, to Federal Constr. Co., Call Bldg., San Francisco, $28,518.

Cal., Fresno—Improving Calaveras St. between H and Divisadero Sts., to Thompson Bros., 1514 H St., $36,728; 1st St. between Belmont and Tulare Sts., to Federal Constr. Co., Call Bldg., San Francisco, $46,881. Noted April 13.

Cal., Lodi—Grading, curbing, guttering and paving Hilborn St., Central and Daisy Aves., to Clark & Henery Constr. Co., 38 South Sutter St., Stockton, grading $0.02, paving $0.185, curbing $0.50 and guttering $0.26. Noted March 9.

Cal., Oakland—Alameda Co., constructing Hayward-Mt. Eden Rd., to Heafy, Moore & McNair, 2030 High St., $117,655. Noted March 30.

Cal., Oroville—Comrs. Butte Co., paving with 2 in. asphaltic concrete, 3.18 mi. Sacramento Ave., Route 13, Sect. A, 3.95 mi. Oroville-Marysville Rd., Route 26, Sect. B, 2.09 mi. Durham-Oroville Rd., Route 21, Sect. B and 3.63 mi. Dayton-Durham Rd., Route 12, Sect. A, to Chico Contg. Co., Chico, $32,952, $50,004, $27,674 and $40,355 respectively; paving with asphalt macadam 4 mi. Larkin Rd. Route 1, Sect. A, to T. H. and M. C. Polk, Chico, $34,599; 6.42 mi. Oroville-Bangor Rd., Route 25, Sect. A, and 2.45 mi. Oroville-Chico Rd., Route 20, Sect. A, both asphaltic macadam, by day labor.

Cal., Redwood City—Comrs. San Mateo Co. having plans prepared resurfacing and repaving Pescadero to Santa Cruz Co. line Rd. $50,000. G. A. Kneese, Redwood City, engr.

Cal., San Diego—Paving Lytton, Voltaire and Rosecrans Sts., Chatsworth and Catalina Blvds., to Warren Constr. Co., Rialto Bldg., San Francisco, 14,400 cu.yd. excav. $0.94 per cu.yd., 14,002 cu.yd. embankment $0.44, 388,575 sq.ft. 1½ in. warrenite on 2½ in. concrete $0.223, 2,019 lin.ft. concrete curb $1.13, etc., total $113,145; 8th St. from B St. to Balboa Park and A St. from 7th to 8th Sts., to Fairchild-Gilmore-Wilton Co., 25-14th St., 110,245 sq.ft. 1½

Streets and Roads (Continued)

in. asphaltic concrete topeka top, on 4 in. concrete base $0.224, etc., total $35,092. Noted Oct. 13.

Cal., San Francisco—Improving Liberty St. between Noe and Church Sts. and Sanchez St. between 20th and 21st Sts., 15,284 cu.yd. excav., 2,137 cu.yd. fill, 1,184 sq.ft. stone sidewalks, 729 lin.ft. 8 in. and 874 lin.ft. 12 in. sewers, etc., to Schultz Constr. Co., 46 Keanry St., $60,814.

Cal., Sonora—Paving various streets to J. E. Johnston, Savings and Loan Bank Bldg., Stockton, $74,823. Noted Feb. 16.

Ont., Ottawa—Suburban Rds. Com., 26 Wellington St., 1 mi. asphalt pavement on Richmond Rd. and 2½ mi. on Metcalfe Rd., to Standard Paving Co., Ltd., Elgin St.

Industrial Works

PROPOSED WORK

Me., Augusta—Waterville Motor Co., Waterville, having plans prepared by H. T. Muzzy, archt., 173 Main St., Waterville, 2 story, 50 x 70 ft., service station and repair shop, brick and concrete, Bangor St., here. $40,000.

Me., Six Miles Falls—Corson Bros. & Co., Bangor, plans hydro electric generating plant, Kenduskeag River, here. Architect not selected.

N. H., Laconia—Pitman Mfg. Co., Laconia, plans 3 story, 65 x 100 ft., brick and steel dyehouse. Lockwood, Greene & Co., 60 Federal St., Boston, archts. and engrs.

N. H., Manchester—Plans to extend sewerage system, south end section. $150,000. Dept. Pub. Wks., City Hall, engrs.

R. I., Providence—Jenks & Ballou, archts. and engrs., 10 Weybosset St., soon let contract for 4 story, 42 x 154 ft. office building with 42 x 70 ft. wing, 3 story, 101 x 223 ft. light storage and 1 story, 120 x 223 ft. heavy storage building, also several smaller buildings, rein.-con., brick and steel, plain foundations, for Narragansett Electric Lighting Co., Turks Head Bldg. Noted Feb. 9.

Conn., Bridgeport—Bridgeport Auto Co., Inc., 386 Fairfield Ave., plans 2 story, service station and storage building, Courtland St. $40,000. Architect not selected.

N. Y., Binghamton—W. R. Hollingshead Co., 148 Oak St., plans 5 story, 80 x 330 ft., chemical plant, concrete, Walnut St. Architect not announced.

N. Y., Binghamton—F. E. Harris Mfg. Co. plans 1 story, 125 x 138 ft., concrete, brick and steel plant, Griswold St. $40,000.

N. Y., Binghamton—F. Sprout plans 2 story, brick, concrete and steel repair shop and garage, Hawley, State and Collier Sts. $40,000.

N. Y., New York—See "Buildings."

N. Y., Watertown—Watertown Garage Corp. plans concrete, brick and steel garage, State St. $70,000-$80,000. A. F. Lansing, Sherman Bldg., archt.

Pa., Altoona—C. H. McVey, 1211 8th Ave., is representing owner who plans to build 3 story, 120 x 200 ft. rein.-con. and steel plant, Industrial Ave. $100,000. Architect not selected.

Pa., Phila.—See "Buildings."

Pa., Pittsburgh—S. A. Hall, archt., c/o H. J. Heinz Co., (owner), 1062 Progress St., soon let contract 6 story, 92 x 150 ft. rein.-con., brick and steel factory, Progress St. $150,000.

Fla., West Palm Beach—Palm Beach Creamery Co., having plans prepared by O. J. Williams, archt., West Palm Beach, 2 story, mill construction plant, Okeechobee St. $50,000. A. F. Neilson, pres.

Tenn., Jacksonville—Nashville Paper and Pulp Co. recently organized and chartered with $1,000,000, has leased several buildings and will erect several units at Old Hickory Powder plant. R. G. Cullem, Jacksonville, genl. mgr.

Tenn., Nashville—City appropriated $90,000 to rebuild electric power plant, 1st Ave. N. T. J. Pentecost, supt. plant. J. O. Tankard, comr. Lights and Lighting. Noted March 2.

Tenn., West Nashville (Nashville, P. O.)—Colyar Reese & Co., Memphis, plans wholesale oil distribution depot, here. $100,000. Above company transferring from Memphis to West Nashville and will operate here as Southern Oil Marketing Co.

Ind., Hammond—M. R. Carpenter, archt., 105 North Clark St., Chicago, soon receives bids 1 story, 90 x 151 ft. factory, for Consumers Ice Co., c/o architect. $50,000.

Mich., Detroit—Auto Collapsible Rim Co., Inc., c/o P. R. Rossello, archt., 406 Congress Bldg., having plans prepared 8 story, 110 x 166 ft. rein.-con., brick and stone factory, plain foundation, Bellevue Ave. $500,000.

Wis., Antigo—Mattefs Bros. Co. having plans prepared 1 story, 60 x 120 ft., saw mill and woodworking shop, brick and tile, plain foundation, Main St. $50,000. Private plans.

Wis., Appleton—Northern Boiler Structural Iron Co., Mills St., having plans prepared by E. Kottke, engr., c/o owner, 1 story, 80 x 100 ft., brick, rein.-con. and tile boiler plant, plain foundation. $70,000.

Wis., Horicon—G. Shonts having plans prepared 2 story, 50 x 75 ft., sausage and meat factory, brick and rein.-con., plain foundation, Main St. $60,000. Private plans.

Mo., St. Louis—Columbia Terminals Co., 400 South Bway., having plans prepared by Wedemeyer & Nelson, archts., Wainwright Bldg., 1 story, 126 x 400 ft., brick and steel freight depot. $150,000.

Cal., Monte Vista—Monte Vista Packing Co. had plans prepared by W. W. Breite, engr., Clunie Bldg., San Francisco, 1 story cannery, frame and corrugated iron. $45,000.

Cal., San Rafael—San Rafael Ice Co. plans 50 x 100 ft. ice plant. $50,000. E. P. Grady, pres. Architect not selected.

Que., Hull—Sparks—Harrison Ltd., 81-89 Montcalm St., plans factory, Montcalm St. $50,000. Architect not selected.

Ont. Acton—Beardmore & Co., 37 Front St., E., Toronto, plans 3 story, 80 x 100 ft. brick and steel tannery, here. $100,000. Private plans.

Ont., Hamilton—Kanadda Biscuit Co., Ltd., 185 West Ave., N., having plans prepared by B. H. Prack, archt., 1 Main St., N. E., 2 story, 80 x 400 ft. bakery, rein.-con., brick and steel. $200,000.

Ont., Niagara Falls—Brant Creameries Co. receiving bids 2 story, 40 x 80 ft. concrete, brick and steel factory. Simcoe St. To exceed $50,000. Architect not announced. Noted March 30.

Ont., Trenton—Dominion Combing Mills, Ltd., 709 Continental Life Bldg., Toronto, having plans prepared by B. H. Prack, archt., 50 Bay St., Toronto, and soon receives bids, rein.-con., brick and steel plant, here. $200,000

BIDS DESIRED

N. H., Keene—See "Buildings."

Conn., New Britain—See "Buildings."

N. Y., Rome—May 1, by Rome Milk Corp., 2 story, 40 x 90 ft. pasteurization and bottling plant, concrete, steel and tile. $50,000. F. W. Kirkland, 103 West Dominick St., archt.

Pa., Indiana—Raylo Co. (owner) Indiana, and F. A. Hersh and F. J. Shaller, archts., Commerce Bldg., Altoona, receiving bids 4 story, 50 x 80 ft. rein.-con. plant. $100,000.

Pa., Pittsburgh—St. Louis Independent Packing Co., 6349 Station St., receiving bids 2 story, 106 x 109 ft. rein.-con. and brick cooling house, Hamilton Ave. C. L. Krause c/o owner, archt.

Ill., Cicero—April 25, by Western Electric Co., 1 story, 222 x 306 ft. factory addition. $200,000. W. R. Kettelle, c/o company, engr.

Wis., Appleton—Gibson Auto Co., 7 Church St., Oshkosh, taking bids 2 story, 40 x 100 ft., brick, rein.-con. and steel garage and repair shop, plain foundation, College Ave., here. $40,000. C. R. Meyer & Sons Co., 52 State St., Oshkosh, archt.

Wis., Kenosha—J. Lindl, archt., 209 Wisconsin St., taking bids 1 and 2 story, 60 x 100 ft., brick and concrete garage, plain foundation, Milwaukee Ave., for Krisor Bros., 772 Milwaukee Ave. $42,000.

Minn., Mankato—May 1 by Mankato Cooperative Dairy Assn., 2 story, 50 x 122 ft., rein.-con., brick, tile and stone creamery. $40,000. Schippel & Schmidt, Mankato, archts.

Ont., Brantford—F. C. Bodley, archt., Commercial Chambers, receiving bids 2 story, 50 x 140 ft. rein.-con., brick and steel factory, for Dominion Dress Goods Co., 179 Dalhousie St., $75,000.

BIDS RECEIVED

Pa., Phila.—F. H. Caven, dir. pub. wks., opened bids March 28, 1 story, 100 x 280 ft. machine repair shop and office, 28th and Cambria Sts., from Robins Contag. Co., 1137 North Front St., $105,467. Kober Constr. Co., 34 South 17th St., $115,310, J. M. Gill & Co., Otis Bldg., $114,710. Noted March 23.

CONTRACTS AWARDED

Me., Sanford—Goodall Worsted Co., Sanford, brick and steel storehouse, combing and worsted yarn spinning plant, to W. M. Bailey Co., 12 Salem St., Boston, under supervision of Lockwood, Greene & Co., engrs., 60 Federal St., Boston.

Mass., North Billerica—Talbot Mills, 4 story, 77 x 210 ft. addition to plant, to E. D. Ward Co., 82 Foster St., Worcester.

N. Y., Albany—W. Higginson, archt. and engr., 18 East 41st St., New York, 5 story, 100 x 200 ft., rein.-con. and steel warehouse, plain foundation, Tivoli St., here, to J. J. Finn & Son, 13 Cuyler Ave., for Albany Terminal Warehouse Co., c/o architect. Noted April 13.

N. Y., Brooklyn—General Baking Co., 343 Madison Ave., New York, 2 story, 163 x 200 ft. and 2 story, 59 x 62 ft. bakery and stables, rein.-con., brick and steel, plain foundations, East 149th St. and Girard Ave., here to F. J. O'Hara Constr. Co., 300 Madison Ave., New York.

Pa., Butler—Hunting-Davis Co., archts., Century Bldg., Pittsburgh, 3 story, 83 x 110 ft. garage and sales building, Main St., to H. Wimer, Butler, for Butler-Buick Co., $83,653. Noted March 23.

Pa., Phila.—F. E. Hahn, archt., 1112 Chestnut St., 3 story, 150 x 160 ft. factory, Blabon and Hunting Park Aves., to Cramp & Co., Denckla Bldg., for Hensel-Colliday Co., 12th and Wood Sts. $150,000.

Pa., Phila.—E. Mervish, c/o J. E. Fieldstein, archt., Otis Bldg., 1½ story, 120 x 120 ft. garage, Frankford and Berks Sts., to J. Nieman, 60119 Market St.

Pa., Phila.—Peerless Paper Box Co., 1432 North Randolph St., 2 story, 54 x 84 ft. brick and steel factory addition, plain foundation, to F. A. Havens & Co., 845 North 19th St. $50,000.

O., Cleveland—F. A. Maher, Wilton and Somerton Aves., 1 story, 39 x 116 ft., brick and steel garage, plain foundation, 2180 Lee Rd., to H. G. Wagner, 2843 Edgehill Rd., Cleveland Heights, $40,000.

Minn., Minneapolis—C. F. Haglin & Sons, 226 Lumber Exch. Bldg., will build 1 story, 132 x 165 ft., cement block and brick garage, 317 8th St. S. by day lobor. $40,000. Long & Thorshov, 1028 Andrus Bldg., archts.

Mo., St. Louis—F. L. Cornwall, LaSalle Bldg., 1 and 2 story, 130 x 137 ft. and 40 x 130 ft., rein.-con. and brick service building, Sarah St. and Forest Blvd., by day labor. $75,000. W. S. Frank, c/o owner, archt.

Cal., Newcastle—Newcastle Fruit Growers Assn., 2 story, 90 x 110 ft. packing plant, rein.-con., to I. Boss, 2615 K St., Sacramento, $150,000.

Cal., San Francisco—Wellman-Peck Co., 311 Embarcadero St., 3 story, rein.-con. addition to garage, office and loft building, Embarcadero and Jackson Sts., to Hannah Bros., 142 Sansome St., $40,000.

Ont., Kingston—Kingston General Hospital, Stuart St., and Queens University, 207 William St., 1 story, concrete, brick and steel power house, King St. W., to Simmons Bros., 132 Princess St. $50,000.

Ont., Ottawa—Beach Motors Ltd., 186 Albert St., will build 2 story, 133 x 200 ft. rein.-con. garage, Bank St., by day labor. $100,000.

Ont., Toronto—Gotfredson-Joyce Corp. Ltd., Walkerville, 2 story, 52 x 210 ft. rein.-con. and steel garage and service station, Spadina Ave., here, to J. V. Gray Constr. Co., 541 Queen St. E., $91,000.

Buildings

PROPOSED WORK

Me., Lewiston—Gymnasium—Bates College plans gymnasium on Campus. $400,000. Architect not selected.

Mass., Springfield—High School—School Bd. plans 3 story, brick, Central St. $200,000. Architect not selected.

Mass., Springfield—School—School Bd. plans 2 story, brick, Indian Orchard Dist. $175,000. Architect not selected.

R. I., Newport—Court House—Comrs. Newport Co. plan 3 story court house, here. $350,000. Architect not selected.

R. I., Providence—Armory—State Armory Bd. plans to complete 2 story armory. $250,000. Architect not selected.

R. I., Providence—Business, etc.—College Hill Land Co. having plans prepared by G. F. Hall, archt., Union Trust Bldg., 3 story, 90 x 145 ft., brick and steel, College St. $200,000. L. Jacobs, pres.

R. I., Providence—Office—See "Industrial Works."

Conn., Bridgeport—Restaurant—Waldorf Lunch Co., 169 High St., Boston, plans 4 story brick and rein.-con., Main St., here. $250,000. Architect not announced.

Conn., Stamford—High School—Bd. Educ. plans 3 story high school. $800,000. Architect not selected.

N. Y., Albany—Bank—Albany City Savings Bank, 100 State St., having plans pre-

Buildings (Continued)

pared by M. T. Reynolds, archt., 100 State St., 10 story, on site of Empire Theatre. $1,000,000 Noted April 6.

N. Y., Brooklyn—Apartment—Mengel & Larkin, archts. and engrs., 81 Fulton St., making sketches 6 story, brick, steel and stone, plain foundation, Clinton Ave. between Greene and Gates Aves. $250,000. Owner's name withheld.

N. Y., Jamestown—Club—B. P. O. E. plans 5 story, 80 x 120 ft., brick and steel, 4th and Pine Sts. $225,000. Architect not announced.

N. Y., Johnson City—School—Bd. Educ. having plans prepared by L. A. Kaley, archt., Binghamton, 16 room, North Broad St. and Prospect Ave. $175,000-$200,000.

N. Y., New York—Exchange—New York Telephone Co., 15 Dey St., having sketches made by McKenzie, Voorhies & Gmelin, archts. and engrs., 342 Madison Ave., brick, steel and stone, plain foundation, East 184th St. $200,000.

N. Y., New York—Hospital—Hospital for Joint Diseases, 124th St. and Madison Ave., soon takes bids 8 story brick, steel and stone addition, plain foundation. Buchman & Kahn, 56 West 45th St., archts. and engrs. Noted Feb. 23.

N. Y., New York—Office, etc.—New York Tribune, Inc., 154 Nassau St., soon takes bids 7 story, brick, steel and concrete office and printing plant, plain foundation, 219-229 West 40th St. $500,000. Lockwood, Greene & Co., 101 Park Ave., archts. and engrs.

N. Y., New York—School—Bd. Educ., 500 Park Ave., soon takes bids P. S. 130, 5 story, brick, steel and stone, plain foundation, Hester St. $250,000. C. B. J. Snyder, Municipal Bldg., archt. and engr.

N. Y., Niagara Falls—City Hall—April 25, to vote on $350,000 bonds for new city hall and municipal building. White & La Chance and C. Obenhack, Niagara Falls, archts. This corrects report in April 13 issue.

N. Y., Olean—Clubhouse—Olean Aerie Fraternal Order of Eagles plans 3 story, 49 x 132 ft., brick, concrete and steel, West State St. $100,000-$160,000. Architect not announced.

N. Y., Saratoga Springs—High School—May 2 to vote on $400,000 bonds for new high school, Lake Ave.

N. Y., Utica—Office—Walmer Realty Co., Syracuse, plans 10 story, Lafayette and Seneca Sts., here. $1,400,000. Address A. B. Merrill, 428 Greenwood, Pl., Syracuse.

N. Y., Williamsville—High School—Bd. Educ. plans new high school. $175,000.

Pa., Ardmore—High School—School Bd. Radnor Twp., c/o W. J. Byrne, plans 3 story, junior high school. $400,000. Savery & Scheetz, St. Girard Bldg., Phila., archts.

Pa., Bryn Mawr—High School—Radnor Twp., School Bd., c/o W. J. Byrne, Ardmore, plans 3 story, here. $300,000. Ralph & White, Penna Bldg., Phila., archts.

Pa., Maxwell—School—Bd. Educ. Luzerne Twp., having plans prepared by J. H. Harman archt., Fayette Title & Trust Bldg., Uniontown, 2 story, 65 x 100 ft. $150,000.

Pa., Monaco—High School—Bd. Educ. receiving sketches for 2 story, 127 x 132 ft. brick. $150,000.

Pa., Oil City—Church—First Baptist Church plans church. $150,000. W. S. Van Horn, secy. building com. Architect not announced.

Pa., Oil City—Theatre—Liberty Theatre Co., plans theatre, Seneca Ave., $150,000. Architect not announced.

Pa., Phila.—Hospital—Anna T. Jaynes Memorial, c/o Heacock & Hookenson, archts., Bailey Bldg., plans hospital, power house, etc. in Olney Dist. $1,000,000.

Pa., Phila.—Store—J. J. Merkus, Finance Bldg., plans 5 story, 93 x 120 ft. brick and steel, plain foundation, Broad and Catherine Sts. $350,000. F. E. Hahn, 1112 Chestnut St., archt.

Pa., Pittsburgh—Bank—City Deposit Bank, 6112 Penn Ave., having plans prepared by Mowbray & Uffinger, archts., 56 Liberty St., New York City, 3 story, Penn and Center Sts. $150,000.

Pa., Rankin — School — Bd. Educ. having revised plans prepared by F. McC. Crooks, archt., 541 3rd Ave., Pittsburgh, 2 story addition, Kenmore Ave. $150,000. Noted Jan. 19.

Pa., Wilkes Barre—Church, etc.—Holy Trinity Evangelical Lutheran Congregation, having preliminary plans prepared by J. C. Fulton & Son, archt, Thompson Ruby Bldg., Pittsburgh, 2 story, 54 x 70 ft. brick church and parish house, West Side Ave. $150,000.

Va., Richmond—Office—State plans 7 story, southeast corner Capitol Sq. $750,000.

Va., Roanoke—High School—Voted $1,000,000 bonds; $500,000 is for high school, remainder for site and smaller schools. W. P. Hunter, city mgr. J. C. Richards, Phila., archt.

W. Va., Logan—Store and Apartment—United Grocery Co., having plans prepared by W. H. St. Clair, archt., 1217 Lewis St., Charleston, 4 story, 68 x 92 ft., brick and steel. $150,000.

N. C., Durham — Gymnasium — Trinity College takes bids about May 15, brick, concrete and steel. $150,000. C. C. Hook, Trust Bldg., Charlotte, archt.

Tenn., Nashville—Church and Sunday School—Belmont Heights Baptist Church having plans prepared by Hart & Nevens, archts., Watkins Bldg., brick and stone, Belmont Heights. $150,000. H. P. Jacobs, Independent Life Bldg., chn. building com.

Tenn., Nashville—Schools—Voted $150,000 bonds to build schools. A. J. Smith, supt. schools.

O., Akron—Club—Portage Country Club Assn., Portage Path Rd., plans to issue stock and rebuild club recently destroyed by fire. $150,000. Architect not announced.

O., Cleveland—Apartment—F. T. Mylechraine, 2076 West 81st St., having plans prepared 3 story, 50 x 170 ft., brick and timber, plain foundation, Lorain and Joan Aves. $150,000. Private plans.

O., Cleveland—Apartment—P. Rayl and R. Hansen, 1413 East 95th St., having plans prepared 4 story, 36 x 86 ft., brick and timber, plain foundation, North Morland Blvd. $200,000. Private plans.

O., Cleveland — Clubhouse — University Club, 1201 Leader News Bldg., plans brick, steel and concrete, 3813 Euclid Ave. $1,000,000. H. T. Clark, pres. Architect not selected.

O., Cleveland — Hotel — Frankel Bros., Guardian Bldg., had plans prepared by Lehman & Schmitt, archts., Electric Bldg., 8 story, 53 x 57 ft., brick, steel and concrete, 6407 Euclid Ave. $200,000.

O., Columbus—Office—Ruegay Realty Co., 67 East Long St., having plans prepared by Mills & Millspaugh, archts., 67 East Long St., 5 story, 75 x 125 ft., East Gay St. $250,000.

O., Massillon—Temple—Masonic Temple Assn. having plans prepared by Thayer & Johnson, archts., New Castle, Pa., 4 story, 87 x 150 ft., brick and stone. $500,000.

Mich., Detroit — Apartment Hotel — S. Feldman, 1206 Penobscot Bldg., having plans prepared by J. G. Jogerst, archt., 55 Rowland Bldg., 8 story, 150 x 170 ft. concrete, brick and steel, plain foundation, Charlotte St. To exceed $1,000,000.

Mich., Detroit—Mercantile—F. H. Miller, 130 West Grand Ave., having plans prepared by R. A. Bailey, archt., 92 Peterboro Ave., 5 story, 80 x 100 ft. rein.-con., brick and steel, plain foundation, Woodward and Grand Aves. $150,000.

Mich., Detroit—Office—S. S. Kresge Co., Kresge Bldg., having plans prepared by Brown, Preston & Derrick, archts., 120 Madison Ave., 6 story, rein.-con., brick, steel and stone, plain foundation, Grand River Ave. $160,000.

Mich., Detroit—School—St. Rose of Lima Parish, c/o E. J. Taylor, 1643 Defer Pl., had plans prepared by Van Leyen, Schilling, Keough & Reynolds, archts., 3440 Cass Ave., 3 story, rein.-con., brick and steel, plain foundation, Kercheval Ave. $150,000.

Mich., Detroit—Store and Office—Park Blvd. Co., c/o A. Kahn, archt., 1000 Marquette Bldg., had plans prepared 8 story, 80 x 100 ft. rein.-con., brick and steel, plain foundation, Adams and Park Blvd.

Ill., Chicago—Apartment—A. S. Ahlschuler, archt., 28 East Jackson Blvd., soon receives bids four 3 story, 158 x 350 ft., reni.-con., brick and steel, Ingleside Ave. and 54th Pl., for S. D. Jonas and J. M. Kahn, c/o architect. $600,000.

Ill., Chicago—Apartment—N. Peters, c/o C. W. Lampe, archt., 155 North Clark St., having plans prepared 3 story, 97 x 125 ft., rein.-con., brick and steel, Rosemont and Magnolia Ave. $150,000.

Ill., Chicago—Apartment—H. Rausch, c/o D. D. Meredith, archt., 4819 North Albany Ave., having plans prepared 3 story, 95 x 130 ft., rein-con., brick and steel, Howard Ave. $200,000.

Ill., Chicago—Theatre, Store, etc.—Plotke & Grosby, 2532 North Clark St., having plans prepared by J. E. O. Pridmore, archt., 38 South Dearborn St., 5 story, 150 x 210 ft., theatre, store, hotel and dance hall, rein.-con., brick and steel, Lawrence and Winthrop Aves. $1,500 000.

Ill., Chicago Heights—Hotel and Store—Thomas Estate, c/o C. H Thomas, pres. Canedy-Otto Mfg. Co., East End and Main Sts., having plans prepared by H. H. Richards, archt., 5467 West Washington St., Chicago, 2 story, 50 x 125 ft., rein.-con. brick and steel, 1651 Halsted St. $150,000.

Ill., Evanston—Apartment—C. W. Christensen, archt., 1818 Greenleaf Ave., Chicago, soon receives bids 3 story, 125 x 175 ft., rein.-con. brick and steel, Ridge Ave. near Howard Ave. $180,000. Owner's name withheld.

Ill., Harrisburg—Bank and Office—City Natl. Bank, plans 7 story, 18x140 ft. rein.-con., brick and stone. $200,000 C. G. Muggs, pres. Architect not selected

Ill., Kankakee—Bank, Office and Store—K. M. Vitzthum & Co., archts., 21 East Van Buren St., Chicago, soon receives bids 6 story, 40 x 145 ft., rein.-con., brick and steel, here, for Le Gris Trust and Savings Bank, Kankakee. $150,000.

Ill., Kankakee—Store and Office—Holabird & Roche, archts., 104 South Michigan Ave., Chicago, soon receives bids 5 story, 43 x 100 ft., rein.-con., brick and steel, here, for D. M. Morris & Son. $150,000.

Ill., Mt. Carmel—Dormitory—Francis Shimer School, c/o W. P. McKee, dean, having plans prepared by D. A. Eckstrom, archt., 5 North La Salle St., Chicago, 2 story, rein.-con., brick and stone. $150,000.

Ill., Springfield — Hospital — St. Johns Hospital having plans prepared by Helme & Helme, archts., 1st Natl. Bank Bldg., 4 story, 43 x 186 ft. addition, rein.-con., brick, tile and stone. $250,000.

Wis., Milwaukee—Club House and Commercial—North Ave. Development Co., 2425 North Ave., had plans prepared by Backes & Pfaller, archts., 216 West Water St., 3 story, 60 x 120 ft., brick and concrete, plain foundation, North Ave. $150,000.

Wis., Wausau—Hospital—Berlin, Swern & Randall, archts., 19 South LaSalle St., Chicago, archts., rejected bids opened March 8, 4 and 5 story, brick, tile and concrete, plain foundation, for D. L. Plumer Hospital, A. P. Woodson, McIndoe St., chn. building com. Noted March 2.

Minn., St. Charles—School—Bd. Educ. having plans prepared by G. Pass & Son, archts; Mankato, 2 story, 140 x 150 ft., rein.-con., brick, tile and stone. $150,000.

Minn., Virginia—School—Bd. Educ. plans 3 story, rein.-con., brick, tile and stone. $150,000. R. J. McGhee, 317 2nd Ave., clk.

Mo., Clayton—School—St. Louis Co. Day School having plans prepared by Jamieson & Spearl, archts., 1116 Arcade Bldg., St. Louis, 2 story, brick, concrete, steel and stone, Brown and Natural Bridge Rds. $150,000.

Mo., Mexico—Dormitory—Hardin College having plans prepared by Bonsack & Pearce, archts., Laclade Gas Light Bldg., St. Louis, 3 story, rein.-con. and brick. $175,000.

Mo., St. Louis—College—Concordia Seminary, c/o J. H. Fritz, pres., Jefferson and Winnebago Aves., having plans prepared by Day & Klauder, archts., 925 Chestnut St., Phila., for college, including administration building, lecture hall, dormitories, chapel and 12 or 15 residences for instructors. $2,500,000. Noted June 9.

Mo., St. Louis—Community and Church—Zion Evangelical Church, Benton and 25th Sts., having plans prepared by Wedemeyer & Nelson, archts., Wainwright Bldg., 2 story, 80 x 111 ft., brick, concrete, steel and stone. $160,000.

Tex., Dallas—Schools—Voted $700,000 bonds remodeling and enlarging present schools and building new schools.

Cal., Bakersfield—Science—Kern Co. Union High School Dist. having plans prepared by C. H. Biggar, archt., 1st Natl. Bank Bldg., 3 story. $150,000.

Cal., Los Angeles—Bank and Office—Paden & Price, Story Bldg., having plans prepared by A. E. Curlett, archt., 538 Merchants Natl. Bank Bldg., 12 story, 58 x 135 ft., brick, steel and terra cotta, 7th and Spring Sts.

Cal., Los Angeles—Club—Friday Morning Club, c/o Allison & Allison, archts., 1405 Hibernian Bldg., having plans prepared 5 story, 100 x 165 ft., rein.-con. or steel, stone and stucco, Figueroa St. between 9th and 10th Sts. $400,000.

Cal., Los Angeles—Office—Platt Music Co., 622 South Bway, and Sun Realty Co., Los Angeles, plans 10-story, 60 x 150 ft., at 830 South Bway. $400,000.

Cal., Los Angeles—Store and Office—Dunn-Williams Co., 26 Montgomery St., San Francisco, and H. J. Bauer Co., J. I.

Buildings (Continued)

Hellman Bldg., having plans prepared by A. E. Curlett and C. Beelman, archts., 408 Union Bank Bldg., 12 story, 60 x 155 ft., steel and terra cotta, Spring St. between 6th and 7th Sts. $500,000.

Cal., Pasadena—High School—Bd. Educ. having plans prepared by Allison & Allison, archts., 1405 Hibernian Bldg., Los Angeles, 3 brick buildings. $200,000.

Cal., San Francisco—Office—Pacific Gas & Electric Co., 445 Sutter St., plans office on 137 x 137 ft. site, Market and Beale Sts. $1,250,000. Architect not selected. Preliminary sketches being prepared by Company's Eng. Dept.

Cal., Taft—School—Conley Grammar School Dist., had plans prepared by Coates & Traver, archts., Rowell Bldg., Fresno, group of concrete and brick buildings. $200,000. Trewhitt-Shields Co., Rowell Bldg., Fresno, will be managers of construction. Noted March 2.

Cal., Venice—High School—Bd. Educ. having plans prepared by Russell & Alpaugh, archts., 1108 Story Bldg., Los Angeles, high school. $350,000.

Que., Notre Dame de Grace—School—Protestant Bd. School Comrs. soon takes bids for school on Old Orchard Ave. $350,000. K. G. Rea, 285 Beaver Hall Hill, Montreal, archt.

Ont., Galt—Collegiate—Bd. Educ. having sketches made by Cameron & Ralston, archts., Bartlett Bldg., Windsor, 2 story, rein.-con., brick and steel. $200,000. A. McBean, secy.

Ont., St. Thomas—College—Alma College, Moore St., plans concrete, brick and steel addition, incl. auditorium, music hall, gymnasium and swimming pool. $160,000. Architect not selected.

Ont., Toronto — Amusement — Toronto Harbor Comn., Harbor Bldg., plans two 1 story, 60 x 80 ft. rein.-con., Sunnyside Amusement Park. $160,000. Chapman, Oxley & Bishop, Harbor Bldg., archts.

Ont., Toronto—Hotel—Isabella Hotel, 566 Sherbourne St., had plans prepared by N. C. Beggs, archt., 6 Jean St., 7 story, 40 x 100 ft., brick and steel addition, Isabella St. $250,000. W. C. Schultz, mgr.

Ont., Toronto—Office—R. Reford Co., Ltd., 20 Hospital St., Montreal, Que., having plans prepared by A. R. Denison, archt., Confederation Life Bldg., 10 story, 53 x 100 ft., rein.-con., brick and steel, Bay St., here. $500,000.

BIDS DESIRED

N. H., Keene—Hospital—Elliott Community Hospital receiving bids 3 story, 45 x 80 ft., concrete and brick addition to hospital, and 1 story brick boiler house, plain foundations. $225,000. Kendall, Taylor & Co., 93 Federal St., Boston, archts. Noted March 2.

Mass., Norwood — School—April 25, 2 story, 75 x 97 ft., brick, Washington St. $150,000. McLaughlin & Burr, Tremont St., Boston, archts.

Conn., New Britain—School—May 3 by A. B. Meredith, secy., State Bd. Educ., Hartford, main building of Normal School, 1 and 2 story, rein.-con. and brick, also 1 story boiler house, plain foundations, Camp St., here. $900,000. Guilbert & Betellie, 546 Broad St., Newark, N. J., archts. A. S. Kellogg, 89 Franklin St., Boston, engrs. Noted Aug. 18.

N. Y., Batavia—High School—May 20, by Bd. Educ., 3 story, 144 x 200 ft., brick, steel and limestone, Ross St. $450,000. E. E. Joralemon, 483 Delaware Ave., Buffalo, archt. Noted April 13.

N. Y., Forest Hills—Apartment—K. M. Murchison, archt. and engr., 101 Park Ave., New York, taking bids and opens same about May 1, 4 story, brick, steel and stone, plain foundation, Queens Blvd., Continental Ave. and Winsor Pl., here, for Cord Meyer Development Co. $400,000.

N. Y., Long Island City—Apartment—B. M. Maltz, c/o B. W. Dorfman, archt. and engr., 26 Court St., Brooklyn, brick, steel and stone, plain foundation, Bway. and 5th Ave., here. $150,000. Work will be done by separate contracts under supervision of architect.

N. Y., Mamaroneck—Fire House—April 25, by A. Bedelle, archt., 34 Highview St., fire house, Barry Ave., for Bd. Village Trustees. J. F. Hunter, pres.; adv. this issue.

N. Y., New York—School—St. Josephs Roman Catholic Church, 1949 Bathgate Ave., taking bids and opens same about May 1, 4 story, brick, steel and stone, plain foundation, Bathgate Ave. $150,000. P. Morris, pastor. R. J. Reilly, 477 5th Ave., archt. and engr. Noted March 16.

N. Y., New York—Showroom and Office—Eighteen Forty One Bway., Realty Co., c/o B. H. and C. N. Whinston, archts. and engrs., 2 Columbus Circle, brick, steel and stone, plain foundation, Bway. and 60th St. $250,000. Work will be done by separate contracts under supervision of architects. Noted Dec. 29.

Pa., Bethlehem—School—G. I. Lovatt, archt., 416 Walnut St., Phila., receiving bids 3 story, 63 x 114 ft., brick, steel and stone, plain foundation, for St. Ursulas Roman Catholic Church, c/o F. P. Green, Bethlehem. $300,000.

Pa., Connellsville—Church—First Methodist Congregation receiving bids, 1 and 2 story, stone church. $175,000. W. G. Eckles, New Castle, archt. Noted Dec. 8.

Pa., Johnstown — Bank and Office — United States Natl. Bank, receiving bids and opens same about May 1, 12 story, Franklin St. Dennison & Hirons, 475 5th Ave., New York, archts. and engrs. $750,000.

Pa., McKeesport—Synagogue—April 24, by Benia Israel Congregation, 711 Wylie Ave., 2 story, 65 x 124 ft. brick and steel, Shaw and Lincoln Aves. $150,000. Jallade, Lindsay & Warren, 129 Lexington Ave., New York, archts.

Pa., Phila. — Apartment — R. C. Loos, archt., 1017 Chestnut St., receiving bids 6 story, 32 x 77 ft. brick, steel and stone, plain foundation, Pine and Watts Sts. for Kensington apartments, 1330 Pine St. $150,000.

Pa., Phila.—Memorial—April 24, by L. Levi, archt., Real Estate Trust Bldg., 2 story 30 x 50 ft. and 61 x 82 ft. brick, steel, marble and stone, plain foundation, 58th and Walnut Sts., here, for E. L. Rothschild, 178 States St., Atlantic City, N. J. $200,000. Noted Feb. 9.

Pa., Pittsburgh—April 25, by E. B. Lee, archt., Chamber Commerce Bldg., 3 story, 80 x 140 ft., brick and stone, Center Ave., for Y. M. C. A., c/o F. B. Shipp, secy., Magee Bldg. $175,000.

Va., Suffolk—High School—April 24, by J. E. Martin, supt. schools, 3 story, rein.-con., brick, stone and steel, plain foundation. $150,000. C. M. Robinson, 1003 Times-Dispatch Bldg., Richmond, archt. Noted Feb. 25.

W. Va., Bluefield—Hotel—April 29, by A. B. Mahood, archt., L. & C. Bldg., 12 story, 50 x 175 ft., brick, Scott and Federal Sts., for Cole Realty Co. $750,000. Noted May 12.

N. C., Fayetteville—High School—May 1, by Bd. Trustees constructing high school, remodeling Person St. school, also heating High School, Central, Haymount, Person St. school and colored school. $200,000. Milburn, Heister & Co., Union Savings Bank Bldg., Wash., D. C., archts.

N. C., Greensboro—Office—May 1, by C. C. Hartmann, archt., Greensboro, 17 story, rein.-con., steel, tile, brick and stone, Elm and Market Sts., for Jefferson Standard Life Insurance Co. Cost over $1,000,000. Noted June 9.

N. C., Rockingham—Court House—May 3, by Br. Comrs. Richmond Co., brick and limestone. $150,000. C. C. Hook, Trust Bldg., Charlotte, archt. Noted Jan. 19.

O., Cleveland Heights (Warrensville P. O.)—Apartment—F. C. Newcomer, c/o G. B. Post & Sons, archts., Hanna Bldg. Annex, taking bids 3 story, 62 x 127 ft., brick and steel, plain foundation, Fairmount Blvd. $150,000.

O., Columbus—High School—April 28, by E. McCune, clk. Bd. Educ., High and Town Sts., Central High School, 3 story, 200 x 375 ft., brick, concrete and stone, Scioto River front. $1,200,000. W. T. Ittner, Bd. Educ. Bldg., St. Louis, Mo., archt. Noted Nov. 3.

O., Lorain—Lodge—April 24, by Elks Lodge, c/o J. O. Daniel, 233 Washington Ave., 4 story, 80 x 120 ft., brick, steel and concrete, plain foundation, Washington and Erie Aves. $200,000. P. A. Rissman, Lorain, archt.

O., Warren—Church—R. J. Keich, archt., Western Reserve Bank, taking bids and opens same about April 26, 1 story, brick, steel and stone, plain foundation, for Christian Science Church. $150,000.

Mich., Detroit — Apartment — Bonnah & Chaffee, archts., 528 Farwell Bldg., receiving bids and opens same about May 1, 8 story, brick and steel, plain foundation, for Barlum Realty Co., c/o architects. $200,000.

Mich., Detroit — Office — C. H. Crane, archt., 542 Griswold St., receiving bids and opens same about May 1, 12 story, 20 x 100 ft. rein.-con., brick and steel, plain foundation, Woodward Ave., for Woodward Larned Realty Co., c/o architect. $400,000.

Ill., Chicago—Apartment—C. W. Christensen, archt., 1818 Greenleaf Ave., receiving bids 3 story, 175 x 300 ft., rein.-con., brick and steel, Morse and Hillsdale Ave. $300,000. Owner's name withheld.

Ill., Chicago—Apartment—H. J. Leidberg, archt., 154 West Randolph St., receiving bids 3 story, 100 x 150 ft., rein-con., brick and steel, Diversey Blvd. near Sheridan Rd., for W. Freutel, c/o architect. $175,000.

Ill., Chicago—Apartment—J. A. Myden, archt., 190 North State St., receiving bids 3 story, 100 x 150 ft., rein.-con., brick and steel, Frontier Ave., near Irving Park Blvd., for A. C. Arnold, c/o architect. $150,000. Noted March 9.

Ill., Chicago—Apartment—A. Pashley, archt., 431 South Dearborn St., receiving bids 3 story, 72 x 160 ft., rein.-con., brick and steel, Leland Ave. and Beacon St., for E. A. Holmes, c/o architect. $200,000.

Ill., Chicago—Church and Office—Holabird & Roche, archts., 104 South Michigan Ave., receiving bids 20 story, 80 x 180 ft., rein.-con., brick and steel, Washington and Clark St., for First Methodist Episcopal Church, 77 West Washington St. $3,000,000.

Ill., Evanston—Apartment—J. A. Nyden, archt., 190 North State St., Chicago, receiving bids 3 story, 100 x 150 ft., rein.-con., brick and steel, Sheridan Rd. and Keeney Ave., here, for E. Skoglund, c/o architect. $275,000.

Ill., Rockford—Junior High School—May 4 (change of date), by Bd. Educ., 3 story, brick, rein.-con., limestone and terra cotta, on Hackell Ave. $650,000. Peterson & Johnson, Swedish Amer. Bank Bldg., archts. Noted March 2.

Ill., Shelbyville—Church—April 25, by First Christian Church, c/o C. H. Butler, chn. building com., Sullivan, 1 story, brick rein.-con. and stone. $150,000. A. L. Pillsbury, Peoples Bank Bldg., Bloomington, archt. Noted April 7, 1921.

Wis., Madison—Store and Office—April 28, by Balch & Lippert, archts., Gay Bldg., 3 story, 65 x 130 ft., brick, rein.-con. and steel, plain foundation, State St., for Hills Store Co., Dayton and State Sts. Noted March 16.

Wis., West Milwaukee (Milwaukee P. O.)—School—May 4, by Dist. 12, 2 story, 60 x 140 ft. and 1 story, 50 x 100 ft., brick, concrete and tile additions, plain foundation, Beloit Rd. $150,000. M. Tullgren & Sons, 425 East Water St., Milwaukee, archts.

Ia., Des Moines—Office—April 25, Central Life Assurance Co., 10 story, 130 x 188 ft., rein.-con., brick, tile and stone, 5th St. and Grand Ave. $500,000. Boyd & Moore, 1020 Grand Ave., archts. Noted July 28.

Ia., Mason City—Schools—May 3, by Bd. Educ., two 2 story, rein.-con., brick, tile and stone. $150,000. F. T. Vasey, supt., Croft & Boerner, 1006 Marquette Ave., Minneapolis, Minn., archts. Noted March 9.

Minn., Virginia—School—May 15 by H. M. Elmer, clk., Independent School Dist., 3 story, 125 x 200 ft., rein.-con., brick and steel. $155,000. Kelly & Shefchik, 505 Lonsdale Bldg., Duluth, engrs. and archts. Noted March 16.

Tex., Mexia—May 5, by De Witt & Lemmon, archts., 806 Southwest Life Bldg., Dallas, 2 story, 154 x 175 ft., for School Bd. $150,000.

Mo., Jefferson City—College—April 26, by Lincoln University, altering present building and constructing four 3 story, rein.-con., brick, steel and stone. $500,000. E. C. Janssen, Chemical Bldg., St. Louis, archt. Noted Jan. 26.

Wash., Olympia—Bank—Doyle & Merriam, archts., Natl. Bank Bldg., Seattle, receiving bids and opens same about May 1, 2 story, 60 x 120 ft., 4th and Main Sts., for Capitol Natl. Bank, 413 Main St.

Mo., St. Louis—Church—April 30, by J. H. Lynch, archt., Dolph Bldg., 1 and 2 story, 90 x 112 ft., brick, stone and steel, Kingshighway Blvd. and Cote Brilliante Ave., for Salem Methodist Episcopal Church, 4305 Page Blvd. $150,000. Noted April 6.

Cal., Richmond—High School—Bd. Educ. receiving bids 1 and 3 story, 216 x 321 ft., rein.-con. and tile, 9th and Bissel Ave. $200,000. J. T. Narbett, 910 MacDonald Ave., archt. Noted Dec. 15.

Cal., San Francisco—Home—N. R. Coulter, archt., 46 Kearny St., receiving bids 9 story, brick and concrete, McAllister St. near Jones St., for Salvation Army, Valencia and McCoppin Sts. $225,000. Noted March 16.

Buildings (Continued)

Cal., San Francisco—Loft—G. A. Applegarth, archt., Claus Spreckels Bldg., receiving bids 5 story, brick and concrete, Mission and Beale Sts., for W. P. Fuller & Co., Beale and Mission Sts. $200,000.

Ont., Ottawa—Bank—Canadian Bank of Commerce, 106 Wellington St., had revised plans prepared by Darling & Pearson, archts., 2 Leader Lane, Toronto, and receiving bids 3 story, 60 x 100 ft. rein.-con., brick, steel and stone, Sparks St. $150,000. Noted March 16.

BIDS RECEIVED

Mass., Allston (Boston P. O.)—School—Opened bids April 4, 2 story, 60 x 168 ft., brick, Webster Pl., from Archdeacon & Sullivan, 5 East Concord St., Boston, $155,986; J. Rugo, 40 Humphrey St., Dorchester (Boston P. O.) $161,500; Lamont Bros. Co., 1105 Dorchester Ave., Dorchester (Boston P. O.) $162,000.

Va., Norfolk—Market—Opened bids April 11, 2 story, 100 x 300 ft., brick and stone, wood pile foundation, from Baker & Brinkley, Dickson Bldg., $373,000; Gooch-Williams Co., Haddington Bldg., $374,900; R. R. Richardson Co., Natl. Bank of Commerce Bldg. $378,000. Noted March 30.

Wash., Seattle—Store and Office—Lawton & Moldenhour, archts., Alaska Bldg., opened bids April 8, 7 story, 56 x 108 ft., steel and concrete, 4th and Pike Sts., from U. S. Constr. Co., Seattle, $173,569; Warrack Constr. Co., Arcade Bldg., $178,249; H. Pederson Constr. Co., Alaska Bldg., $180,276. Noted April 6.

Cal., Los Angeles—School—Bd. Educ., 2 story, 141 x 223 ft., McKinley and 45th Sts., from J. F. Atkinson, 1102 Story Bldg., $182,000; J. Simpson Co., 701 Antonio St., $184,000; J. C. Bannister, 903 North Mariposa St., $190,580. Noted March 30.

CONTRACTS AWARDED

Conn., Hartford—School—Sts. Cyril and Methodius Roman Catholic Parish, 69 Governor St., 2 story, 65 x 150 ft., brick, concrete and steel, plain foundation, Groton St., to T. J. Pardy Constr. Co., 1481 Seaview Ave. Bridgeport. Noted Jan. 26.

Conn., New Haven—Bank—Mechanics Bank, Church and Center Sts., 1 story, stone, brick and steel addition, plain foundation, Church and Center Sts., to J. E. Todd, 255 Kimberly Ave., $325,000. Noted Feb. 3, 1921.

Conn., New Haven—Office—A. H. Powell, 177 Church St., 12 story, 64 x 90 ft., rein.-con., brick and steel, plain foundation, Church and Court Sts., to C. W. Murdoek, Inc., 505 Grand Ave., $750,000.

Conn., Stafford Springs—Memorial—E. C. and G. C. Gardner, archts., 33 Lyman St., Springfield, Mass., 2 story, 62 x 115 ft., brick, stone and steel, plain foundation, Main St., here, to E. J. Pinney, Inc., 374 Main St., Springfield, Mass., for Warren Memorial Com. Noted March 30.

N. Y., Brooklyn—Apartment—Agello & Esposite, c/o Seelig & Finkelstein archts. and engrs., 44 Court St., 4 story, brick, steel and stone, plain foundation, Mermaid Ave., and West 36th St., by day labor. $150,000.

N. Y., Brooklyn—Apartment—Old Colony Eng. Co., c/o M. Courland, archt. and engr., 47 West 34th St., 12 story, brick, steel and stone, plain foundation, Ocean Ave., by day labor. $1,500,000.

N. Y., Brooklyn—Church—Church of St. Rose of Lima, c/o F. J. Berlenbach, archt. and engr., 260 Graham Ave., New York, brick and stone, plain foundation, Parkville Ave. between Coney Island Ave. and Ocean Parkway, here, to P. J. Hoey Co., 166 Montague St., $400,000.

N. Y., Glen Cove—Church—St. Patricks Roman Catholic Church, c/o Helmle & Corbett, archts. and engrs., 132 West 42nd St., New York, altering and building brick and stone addition, here, to P. J. Hoey, 166 Montague St., Brooklyn, $250,000.

N. Y., Hornell—High School—Bd. Educ. brick and stone, brick foundation, to Drummond-Miller Co., 4500 Euclid Ave., Cleveland, $450,000. Noted April 6.

N. Y., New York—Apartment—P. B. Carussi, c/o Margon & Glaser, archts. and engrs., 2803 3rd Ave., 5 story, brick, steel and stone, plain foundation, Morris Ave., by day labor. $175,000.

N. Y., New York—Apartments—T. Dwyer, c/o C. Schaefer, archt. and engr., 394 East 150th St., two 5 story, brick, steel and stone, plain foundations, Plimpton Ave., by day labor. $150,000 each.

N. Y., New York—Apartment—Midland Constr. Co., c/o L. F. J. Weiher, archt. and engr., 271 West 125th St., 5 story, brick, steel and stone, plain foundation, Mapes Ave., by day labor. $180,000.

N. Y. New York—Apartment and Store—Realty Managers, Inc., c/o Moore & Landseidel, archts. and engrs., 148th St. and 3rd Ave., 5 story, brick, steel and stone, plain foundation, 170th St. and Townsend Ave., by day labor. $200,000.

N. Y., New York—Apartment—Three Hundred Riverside Dr. Corp., c/o G. F. Pelham, archt. and engr., 200 West 72nd St., 14 story, brick, steel and stone, plain foundation, 300 Riverside Dr., by day labor. $1,000,000.

N. Y., New York—Community House—Church of All Nations, c/o Buchman & Kahn, archts., 56 West 45th St., 4 story, brick, steel and stone, plain foundation, 1st St. and 2nd Ave., to W. Kennedy Constr. Co., 215 Montague St., Brooklyn, $300,000. Noted Oct. 20.

N. Y., Niagara Falls—High School—Bd. Educ. general contract South Junior High School, to Laur & Mack, Niagara Falls, $433,972; heating and ventilating work, to Power Efficiency Co., White Bldg., Buffalo, $72,500; plumbing work, to Gormley Plumbing Co., Niagara Falls, $25,000.

N. Y., Niagara Falls—High School—Bd. Educ., general contract North Junior High School, to Wright & Kremers Co., Niagara Falls, $463,200; plumbing work, to Gormley Plumbing & Heating Co., Niagara Falls, $24,500; heating and ventilating work to Power Efficiency Co., White Bldg., Buffalo, $107,900.

N. Y., Rye—School—Bd. Educ. altering and building brick and stone addition, to Johnson & Miller, 53 South Bway., Yonkers. Noted Feb. 16.

N. Y., Watertown—Schools—Bd. Educ. general contract new Cooper St. School and addition to present high school, to T. F. Breslin Constr. Co., Woolworth Bldg., $238,500. Noted March 30.

Pa., Brownsville—Bank—Natl. Deposit Bank, 7 story, 83 x 100 ft., to Hunkin-Conkey Bldg. Co., Century Bldg., Cleveland, O., $500,000. Noted March 9.

Pa., Brownsville—Market—Brownsville Cash Market will convert 3 story, 50 x 75 ft. rein.-con., brick and steel building into market on Brownsville Ave. Work will be done by day labor. $150,000. J. H. Harmon, Fayette Title & Trust Bldg., Uniontown, archt.

Pa., Erie—Bank—Marine Natl. Bank, altering and building 6 story, 61 x 129 ft. brick and stone addition, 9th and State Sts., to Prahl Constr. Co., Marine Bank Bldg., $150,000.

Pa., Mt. Carmel—Theatre and Store—W. H. Lee, archt., 32 South 17th St., Phila., 3 story, 100 x 150 ft., rein.-con., brick and steel, plain foundation, here, to J. R. Wiggins, 18th and Cherry Sts., Phila., for Chamberlain Amusement Co., 46 West Independent St., Shamokin. $200,000. Noted March 9.

Pa., Phila.—Apartment—C. Wunder, archt., 1415 Locust St., 4 story, 115 x 220 ft. brick, steel and stone, plain foundation, 49th and Pine Sts., to Rose Contg. Co., North Amer. Bldg., $500,000. Owner's name withheld.

Pa., Phila.—Exchange—Bell Telephone Co., 13th and Arch Sts., 2 story, 95 x 140 ft. brick, steel and stone, plain foundation, Leiper and Foulkrod Sts. to Irwin & Leighton, 10th and Race Sts., $175,000. Noted Feb. 9.

Pa., Phila.—School—All Saints Roman Catholic Church, Thompson and Ash Sts., 2 story, 66 x 136 ft., Thompson and Ash Sts., to Doyle & Co., 1519 Sansom St., $150,000.

Pa., Phila.—Store and Office—H. E. Hahn, archt., 1112 Chestnut St., 4 story, 175 x 211 ft. rein.-con., brick and steel, plain foundation, 1229 Market St., to Smith-Hardican Co., 1606 Cherry St., for Goldberg Bros., c/o architect. $500,000. Noted March 16.

Pa., Pittsburgh—Home—Independent Order of Odd Fellows, c/o J. O'Brien, 610 North Euclid Ave., general contract, 3 story, 34 x 84 ft. and 50 x 140 ft. Fleming Ave., to W. T. Grange Constr. Co., Keenan Bldg., $155,763. Noted Feb. 9.

Pa., Waynesburg—Bank—Union Deposit Trust Co., 3 story, 60 x 131 ft., to F. T. Ley Co., 19 West 44th St., New York, $200,000. Noted Feb. 2.

W. Va., Bluefield—Bank—Bluefield Natl. Bank, remodeling 3 story, 64 x 85 ft., Federal and Raleigh Sts., to F. T. Ley Co., 19 West 44th St., New York. $150,000.

W. Va., Princeton—School—Bd. Educ., 2 story, 60 x 190 ft. addition, to H. A. Lucas, Bluefield, $120,000. Noted March 2.

O., New Washington—High School—Bd. Educ. 2 story, 102 x 140 ft., brick and concrete, to W. Denman, Marion, $183,768. Noted April 6.

O., Shaker Heights (Cleveland P. O.)—Schools—Bd. Educ., two 1 story, 132 x 154 ft., rein.-con., brick and steel, plain foundations, Sussex and Travers Rds., to Parish Bros., Wick Ave., Youngstown, $217,500; heating and ventilating apparatus, to Smith & Oly, Carnegie Ave., Cleveland, $25,000. Noted April 13.

Mich., Detroit—Office—L. Kamper, archt., 3729 Cass Ave., 10 story, 66x140 ft. rein.-con., brick and steel, plain foundation, Woodward Ave., to E. Winters Co., 752 Book Bldg., for H. Scherer, 440 East Jefferson Ave., $750,000. Noted Feb. 9.

Mich., Grand Beach—Hotel—C. H. Fuller Co., 629 South Wabash Ave., Chicago, 3 story, rein.-con., brick and steel, to Rowley Bros., 332 South LaSalle St., Chicago, $400,000.

Ill., Chicago—Administration—Loyola Academy, Loyola and Sheridan Rd., 4 story, 110 x 166 ft., rein.-con., brick and steel, to G. W. Stiles Constr. Co., 159 East Ontario St., $250,000.

Ill., Chicago—Apartment and Store—Dlott & Silverman, 155 North Clark St., 3 story, 100 x 124 x 192 ft., rein.-con., brick and steel, Clark, Roslyn and Arlington Pl., to A. Goldstein, 1529 South Hamlin St., $250,000.

Ill., Chicago—Apartment—Kanter & Freeman, 2104 South Harding Ave., 3 story, 112 x 165 ft., rein.-con., brick and steel, 534-42 Belmont Ave., to A. W. Anderson, 1432 Rascher Ave. $250,000.

Ill., Chicago—Church—Worthman & Steinbach, archts., 155 North Clark St., 2 story, 110 x 182 ft., rein.-con., brick and steel, Harvard St. near 64th St., to Van Etten Bros., 11100 South Michigan Ave., for English Evangelical Lutheran Church of Redeemer, 6040 Princeton Ave. Noted Jan. 19.

Ill., Chicago—Hotel—W. W. Ahlschlager, archt., 65 East Huron St., 10 story, 137 x 150 ft., rein.-con., brick and steel addition to Hotel Sovereign, Kenmore and Granville Ave., to B. W. Constr. Co., 10 South La Salle St., $1,500,000. Owners name withheld.

Ill., Chicago—Hotel—A. Proskauer, archt., 127 North Dearborn St., 8 story, 54 x 250 ft., rein.-con., brick and steel, Surf St. near Sheridan Rd., to H. Ericsson Co., 139 North Clark St., $1,000,000. Owners name withheld. Noted Jan. 19.

Ill., Chicago—Hotel—Rubin & Marks, c/o Loewenberg & Loewenberg, archts., 111 West Monroe St., 6 story, 127 x 141 ft., rein.-con., brick and steel, Howard and Bosworth Aves., to Rosenthal-Cornell Co., 80 East Jackson Blvd., $800,000.

Ill., Rockford—Home—C. W. Bradley, archt., Brown Blk., 2 story, 117 x 186 ft., with two wings, to Hoom Page Co., Rockford, for O. E. S. and A. F. & A. M. Home, here. $150,000. Noted Jan. 26.

Ill., Rock Island—College—Cervin & Horn, archts., 310 Safety Bldg., 2 story, brick, stone, rein.-con. and steel college, incl. seminary building and dormitory, to Gergstedt Constr. Co., Moline, for Augustanna College. $400,000. Noted March 30.

Ia., Davenport—Club—Lend-A-Hand Club, c/o C. Schuler, chn. building com., general contract 3 story, 110 x 118 ft., rein.-con., brick, tile and terra cotta, to J. F. Nebergall & Sons, 109 Masonic Temple, $125,000. Total $180,000. Noted June 23.

Mo., Springfield—College—Bd. Regents State Teachers College, 3 story, 90 x 230 ft., rein.-con. and stone, to Stewart-McGehee Constr. Co., Kahn Bldg., Little Rock, Ark., $263,000. Noted March 9.

Tex., Abilene—Administration—McMurray Methodist College, 3 story, rein.-con., brick and stone, to Walsh & Burney, Calcasieu Bldg., San Antonio, $150,000.

Cal., Los Angeles—Church—First Methodist Episcopal Church, steel, brick and terra cotta, 8th and Hope Sts., to W. Simpson Constr. Co., Marsh-Strong Bldg., $278,100. Noted June 9.

Cal., Los Angeles—Store and Loft—Sun Realty Co., c/o A. E. Curlett, archt., Merchants Bank Bldg., 12 story, 65 x 85 ft., steel and terra cotta, 7th and Hill Sts., general contract to Macdonald & Kahn, Loews State Bldg., $275,000; structural steel and elevators, to Llewellyn Iron Wks., 1200 North Main St.; terra cotta, to Los Angeles Pressed Brick Co., Frost Bldg. Noted March 16.

Cal., San Francisco—Apartment—G. Perego, 159 Sutter St., 6 story, rein.-con., Leavenworth St. near Geary St., to Kincanon & Perego, 159 Sutter St., $150,000.

Cal., Stockton—Church—First Presbyterian Church, 2 story, brick and concrete, El Dorado, Center, Vine and Willow Sts., to Daniels & Green, 1029 West Park St., $150,000.

Ont., Hamilton—School—Bd. Educ., general contract, 3 story, 95x235 ft. rein.-con. brick, steel and stone, Dunsmore Rd., to P. H. Secord & Sons, Spectator Bldg. Receiving bid for heating, plumbing, ventilating, etc. Total $425,000.

Ont., Toronto—School—York Twp. S. S. 26, general contract, 2 story, 90x173 ft. rein.-con., brick and steel, to N. McLeod Ltd., Kent Bldg., $170,000.

Federal Government Work

BIDS DESIRED

Mass., Boston—Alterations, etc.—May 4, Treas. Dept., Wash., D. C., alterations, etc., in U. S. Post Office and Sub-Treasury, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

N. Y., Buffalo—Dredging—May 3, by U. S. Engineer, deepening harbor, here, 30,000 cu.yd. mud and 1,000 cu.yd. rock excav.

N. Y., Hoffman Island—Boiler House Addition, etc.—May 8, by Treas. Dept., Wash., D. C., altering and building addition to boiler house; also mechanical equipment of boiler house, incl. fire lines, etc. J. A. Wetmore, acting superv. archt.; adv. this issue.

N. Y., New York—Steel Hangars—April 28, at Constructing Quartermasters Office, 39 Whitehall St., taking down and erecting steel hangars at Mitchell Field, L. I.; adv. this issue.

Va., Norfolk—Dredging—Spec. 4604—May 3, Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging, here.

La., New Orleans—Dredge Pump—May 8, by U. S. Engineer, 329 Customhouse, New Orleans, dredge pump, etc.; adv. this issue.

Ill., Chicago—Dredging—May 16, U. S. Engineer, 537 South Dearborn St., dredging in Calumet River; adv. this issue.

Ill., Rantoul—Boiler House, etc.—May 17, Constructing Quartermaster, Chanute Field, boiler house and heating system, here; adv. this issue.

Cal., San Diego—Alterations—Spec. 4592—April 26, Bureau Yards & Docks, Navy Dept., Wash., D. C., alterations to operators quarters at Chellas Heights, here. Noted March 9.

BIDS RECEIVED

Mass., Boston—Equipment—Spec. 4583—Bureau Yards & Docks, Navy Dept., Wash., D. C., coal handling equipment at Navy Yard, here, (1) work complete, from R. J. Mansfield, 135 William St., New York, (1) $43,953 (120 days), (2) $400, (3) $300, (4) $41,622 (120 days), (5) $300; A. Pope, 4722 15th St., N. W., Wash., D. C., (1) $47,300, (2) $100, (3) $800, (4) $38,200 (120 days), (5) $500; Underwood Mchy. Co., 110 Mt. Vernon St., South Boston, (1) $50,005 (120 days), (2) $103, (3) $695. Noted March 30.

Wash., Puget Sound—Extension—Spec. 4577—Bureau Yards & Docks, Navy Dept., Wash., D. C., extension to Building 368, here, (1) work complete from C. F. Martin, 205 Seaboard Bldg., Seattle, (1) $63,313 (179 days), (2) $9,913 (179 days), (3) $33,213 (179 days), telegraphic modification deduct (1) $3,000, (3) $3,000; A. W. Quist, 311 Hoge Bldg., Seattle, (1) $67,454 (180 days), (2) $12,929, (3) $30,960; W. T. Butler, 527 Central Bldg., Seattle, (1) $69,660 (180 days), (2) $9,740, (3) $34,700 (140 days), alternate (1) $67,660 (210 days), (2) $9,100, (3) $31,600 (170 days). Noted March 9.

Cal., Palo Alto—Hospital—Treas. Dept., at office Superintendent of Constr., here, construction U. S. Pub. Health Serv. Hospital, here, from Mahoney Bros., San Francisco, (1) $844,500 alternate (1) $13,556 (2) add $900 (3) deduct $9,000; Hannan Bros., San Francisco, (1) $846,243 (1) deduct $1,359 (2) $2,000 (3) add $3,811. Noted March 2.

Cal., Palo Alto—Mechanical Equipment—Treas. Dept., Wash., D. C., mechanical equipment in 19 buildings of U. S. Veterans Hospital, here, from S. W. Rittenhouse, 1327 Taylor St., Wash., D. C., $297,833, O. W. Lindberg, South River, N. J., $317,888. Noland-Clifford Co., 330 28th St., Newport News, Va., $353,000; opened at office of Superintendent of Construction, Palo Alto, T. W. Spender, Salt Lake City, Utah, $285,000; Turner Co., 272 Natoma St., San Francisco, $286,000; Rushlight & Hashtorf, 371 Hawthorne St., Portland, Ore., $311,497. Noted March 9.

CONTRACTS AWARDED

Cal., San Diego—Equipment—Spec. 4596—Bureau Yards & Docks, Navy Dept., Wash., D. C., kitchen and diet kitchen equipment here, to S. B. Sexton Stove Mfg. Co., 50 Block Conway St., Baltimore, Md., $19,694 (60 days). Noted April 13.

Cal., San Diego—Gun Shed, etc.—Spec. 4579—Bureau Yards & Docks, Navy Dept., Wash., D. C., gun shed and stable at Marine Corps Base, here to to Wright & Doren, 345 Spreckles Bldg., $77,000 (210 days.) Noted March 9.

Miscellaneous

PROPOSED WORK

Subway—Erie, Pa.—City and New York Central R.R., Grand Central Terminal, New York, plan subway under tracks on Cherry St. $105,000 city's share. F. G. Lynch, city engr. G. W. Kittredge, New York, ch. engr.

Stadium—Phila., Pa.—Sequi Centennial Assn., Ritz Carlton Hotel, plans stadium in Fairmount Park, 75,000 seating capacity. $1,250,000.

Transmission Line—Baden, N. C.—Carolina Power and Light Co., Raleigh, plans to construct 50 mi. double circuit steel tower transmission line, designed to carry 75,000 hp., from here via Swift Island and Almans Ferry to Sanford. $3,000,000. P. A. Tillery, Capitol Apts., Raleigh, genl. mgr.

Electric Light System—Melville, La.—See "Waterworks."

Swimming Pool—Ann Arbor, Mich.—University of Michigan Alumni plans swimming pool and tank. $29,000. Engineer not announced.

Skating Rink—London, Ont.—London Arena Co., Merchants Bank Bldg., plans ice skating rink. $100,000. Prices wanted on artificial ice plant and equipment. M. B. Percival, mgr.

Public Baths—Ottawa, Ont.—Having plans prepared by Millson & Burgess, archts., 209 Sparks St., 2 story, brick and tile. $65,000.

Electric Lighting and Power System—Toronto, Ont.—Ontario Hydro Comn., 190 University Ave., having surveys made for hydro electric lighting and power distribution systems in Kirkton, Winchelsea and Elimville. $45,000. A. Purcell, 190 University Ave., engr.

BIDS DESIRED

Steam Roller, etc.—Binghamton, N. Y.—Bd. Contract & Supply taking bids 10 ton double cylinder steam roller with scarifying attachment and 1 motor driven pick up sweeper. A. L. La Roche, comr. Pub. Wks.

Locomotive Crane—New York, N. Y.—Hammond Typewriter Co., 537 East 69th St., in market for locomotive crane, 40-50 ft. boom with electric or gasoline hoist.

Bituminous Material—Oswego, N. Y.—E. A. Howard, supt. Oswego Co., taking bids 400,000 gal. bituminous material for road work.

Bituminous Material, etc.—St. George, S. I.—April 26, by M. J. Cahill, pres. Richmond Boro., furnishing and delivering 100,000 gal. bituminous material for road surfacing; five thousand 3 x 4 x 8 in., five thousand 4 x 3 x 8 in. and fifteen thousand 3 x 3 x 8 in. wood paving blocks; 400 ton asphaltic cement; 850 cu.yd. screenings of trap rock, granite, limestone or dolomite; 750 cu.yd. sand, 1,500 cu.yd. 1½ in. and 200 cu.yd. ¾ in. broken stone and 150 cu.yd. screenings or trap rock to Dist. 1; 1,600 cu.yd. 1½ in., 200 cu.yd. ¾ in. and 120 cu.yd. trap rock screenings to Dist. 2; 2,100 cu.yd. 1½ in., 150 cu.yd. ¾ in. broken stone and 150 cu.yd. trap rock screenings to Dist. 3; 1,150 cu.yd. grits to Dist. 1; 1,250 cu.yd. grits to Dist. 2; 1,650 cu.yd. grits to Dist. 3. Former bids rejected. Noted April 13.

Tractor and Shovel, etc.—Pittsburgh, Pa.—G. S. White, 349 Atwood St., in market for tractor or caterpillar crane with ¾-yd. clam shell, also gasoline driven shovel.

Relaying Rails—Quincy, W. Va.—Coalburg Colliery Co., in market for 100 ton-60 lb. relaying rails.

Cables and Equipment—Asheville, N. C.—Asheville Telephone & Telegraph Co., in market for new cables and equipment for extension of lines and repairs to present lines. $50,000. M. A. Erskine, mgr.

Materials, Road Building Equipment, etc.—Leaksville, N. C.—J. W. Norman, city treas., receiving bids for asphalt, paving plant, rollers, crushers, forms, etc. $150,000. Webb & Cole, Salisbury, engrs.

Dredging Machinery—Sheffield, Ala.—K. Sparks, Sheffield, in market for dredging machinery to dig sand and gravel and deliver same on barges, including chain bucket, dredge with 5-7 cu.ft. bucket and 60 ft. ladder.

Traveling Crane, etc.—Nashville, Tenn.—April 25, by Bd. Pub. Wks., 20 ton 50 ft traveling crane, 2 freight elevators and necessary structural steel for rebuilding light plant. S. H. McKay, secy.

Coal Mining Machinery, etc.—Sturgis, Ky.—W. Herbert in market for coal mining machinery including hoists, conveyors, washing machinery, mine and power plant equipment.

Lighting System—Milwaukee, Wis.—April 24, by P. Braman, comr. Pub. Wks., street lighting system on various streets. $70,000. W. Rumsey, City Hall, engr.

Road Oil, etc.—Milwaukee, Wis.—April 25, by Central Bd. of Purchases, 50,000 gal. heavy road oil, f.o.b. oil stations, Milwaukee, located on Chicago, Milwaukee & St. Paul Ry.; 50,000 gal. medium bituminous road surfacing material on streets as directed; 150,000 gal. bituminous road surfacing material on streets as directed; 50,000 gal. bituminous road surfacing material in tank wagons; 250,000 gal. bituminous road binder, as follows: 150,000 gal. delivered and applied as directed, 100,000 gal. delivered on streets as directed.

Electric Distribution System—Clarkfield, Minn.—April 28 by E. O. Laism, recdr., electric distribution system. $25,000. C. L. Pillsbury Co., 1200 2nd Ave. S., Minneapolis, engrs.

Steel Towers—Seattle, Wash.—April 27 by Bd. Pub. Wks., two steel crossing towers, 240 ft. high, two approach towers, 125 ft. high, complete with cross arms, anchors and fittings, on concrete foundations at Spokane St. Bridge; towers will be required to carry twelve 400,000 circular mill copper conductors across West Waterway, with span of 630 ft., 200 ft. above high tide. $150,000. R. D. Ross, Seattle City Light Dept., engr.

Cement, Sand, Gravel etc.—Charlottetown, P.E.I.—April 28, by L. B. McMillan, secy. Pub. Wks., furnishing cement, steel reinforcing, sand gravel or broken stone.

SUBWAY—CINCINNATI, OHIO

Bids were opened by Rapid Transit Comn., City Hall, March 31, for grading and rein.-con. work for Sect. 6 of Rapid Transit Subway from Hopple St. to Mitchell Ave., from (A) J. T. Adams & Winchell Co., Ferris Bldg., Columbus; (B) Hickey Bros., Plum and Ann Sts.; (C) F. R. Jones Co., 111 West Washington St., Chicago. The unit bids were as follows:

	A	B	C
180,000 cu.yd. excavation (grading)	$0 64	$0 80	$0 70
4,000 cu.yd. excavation (trench)	1 50	1 50	2 00
4,300 cu.yd. reinforced concrete	22 00	20 00	23 00
300 tons reinforced steel	90 00	80 00	85 00
60 cu.yd. plain concrete	16 00	12 00	15 00
17 M ft. B.M. track stringers	115 00	100 00	130 00
5,000 lbs. anchor bolts and sockets	15	12	15
2,600 lin.ft. electric conduits	32	25	50
900 lin.ft. cast iron down-spouts (3-in.)	40	40	50
200 squares roofing	6 00	7 00	8 00
4,000 sq.yd. concrete paving	2 70	2 50	3 00
1,700 sq.yd. bituminous macadam (12-in. thick)	2 60	2 50	3 00
1,000 sq.yd. water-bound macadam (8-in. thick)	2 00	1 50	2 00
10,000 sq.ft. cement sidewalk	25	20	30
800 lin.ft. granite curb	2 00	1 50	2 00
650 lin.ft. concrete railing	2 50	3 00	3 50
1,000 lin.ft. brick sewer, 30-in.	14 00	10 00	13 50
175 lin.ft. vitrified pipe sewer, 24-in.	5 00	5 00	5 00
350 lin.ft. vitrified pipe sewer, 20-in.	5 50	5 50	10 00
750 lin.ft. vitrified pipe sewer, 15-in.	3 50	3 50	3 50
3,500 lin.ft. vitrified pipe sewer, 12-in.	2 00	2 00	2 25
1,000 lin.ft. vitrified pipe sewer, 8-in.	1 50	1 50	1 50
350 lin.ft. vitrified pipe sewer, 6-in.	1 00	1 00	1 00
10 street inlets, city standard No. 3 (including castings)	50 00	60 00	60 00
2 street inlets, city standard B, (including castings)	40 00	40 00	40 00
24 inlets A (including castings)	50 00	60 00	60 00
14 inlets B (including castings)	50 00	50 00	50 00
3 manholes, standard on pipe sewer	180 00	225 00	225 00
2 manholes, standard on brick sewer	140 00	150 00	150 00
1 manhole, raised	60 00	60 00	60 00
950 lin.ft. water pipe, cast iron, 8-inch	3 00	3 50	3 50
1 water pipe valve, 8-inch	50 00	50 00	50 00
275 lin.ft. relaying street car track, stone ballast	2 00	3 00	3 50
Spillway at Ross Run (lump sum)	3,950 00	5,000 00	6,500 00
Extended totals	$310,837	$323,660	$336,503

Miscellaneous (Continued)

Telephone Equipment—Ingersoll, Ont.—Ingersoll Telephone Co. receiving bids for telephone equipment to repair damage caused by storm, incl. many miles of wire and large number of poles. $25,000. H. E. Robinson, c/o owner, engr.

Coal Handling Equipment—Port Stanley, Ont.—London & Port Stanley Ry., Philips St., London, receiving bids for buckets, derrick and electrically operated equipment for coal handling depot. $35,000. J. E. Richards, Philips St., London, engr.

BIDS RECEIVED

Entrance, etc.—New York, N. Y.—Rapid Transit Comn., 49 Lafayette St., opened bids April 11, (1) entrance to Boro Hall sta. through Isle of Safety, Agreement (AZ.)) (2) Union Sq. Passageway, (3) miscellaneous construction and station finish work, agreement "AU," from C. J. Adams & Son, 308 West 20th St., (1) $14,459; J. Schlesinger, Inc., 259 West 30th St., (1) $14,986, 2) $60,936; N. A. Deiser, 296 Fenimore St., Brooklyn, (1) $15,339, (3) $13,213; G. A. Colon & Co., 81 East 125th St., (2) $58,994; Gustin Morris Contg. Corp. Anabel Ave. and Creek St., Long Island $10,090. City, (2) $67,972, (3) $13,310; Vulcan Rail & Constr. Co., Grand St., Brooklyn, (3) $10,090. Noted March 30.

Steel Ladders, etc.—New York, N. Y.—Transit Comn., 49 Lafayette St., opened bids April 12, constructing (1) steel ladders and gratings in 2 shafts of Bronx River Duct Tunnel, Routes 19 and 22, Sect. 2, Agreement "BU", (2) supply of special work and other track materials, for use in construction of Jerome Ave. Yard of 7th Ave.-Lexington Ave. Rapid R.R., (3) steel covers and frames, Agreement "BP", from Vulcan Rail & Constr. Co., Grand St., Brooklyn, (1) $3,504, (3) $3,890; Lazere & Kaplan, 434 East 124th St., 1) $3,545; C. Meads & Co., 217 West 14th St., (1) $3,925, (3) $3,944; Bethlehem Steel Products Co., 111 Bway., (2) $36,555; Ramapo Iron Wks., 30 Church St., 2) $39,202; W. Wharton Jr. & Co., 30 Church St., (2) $40,970; Peerless Iron Wks., 111 East 131st St., (3) $4,082. Noted March 30.

CONTRACTS AWARDED

Conduit—West Springfield (Springfield P. O.), **Mass.**—United Electric Light Co., 73 State St., Springfield, laying conduit for wiring system, here, to Adams & Ruxton Co., 33 Lyman St., Springfield, $25,000.

Bath House—Hartford, Conn.—Bd. Health, 2 story, rein.-con., brick and steel bath house, Boulevard on Connecticut River, to G. Cudemo, 327 Trumbull St., $50,000.

Asphalt Paving Blocks—Jamestown, N. Y.—Furnishing 91,000 asphalt paving blocks, to Hastings Paving Co., 25 Broad St., New York, $111 per M.

Baseball Stadium—New York, N. Y.—Amer. League Baseball Club of New York, 226 West 42nd St., stadium, west of River Ave. between East 157th and 161st Sts., to White Constr. Co., 95 Madison Ave., $2,000,000. Noted Jan. 5.

Subway—Rochester, N. Y.—Bd. Contract & Supply, 37 City Hall, subway and overhead street in abandoned canal bed, to Scott Bros., Arlington Blk., Rome, $1,183,780. Noted April 6.

Gravel, Bituminous Material, etc.—Phila., Pa.—Furnishing gravel, to M. J. McCrudden, Real Estate Trust Bldg., $25,500; bituminous materials and dust layer, to Atlantic Refining Co., 1211 Chestnut St., $21,000 and $20,000 respectively; crushed stone, to E. T. Bennis, Germantown and Chelten Aves., $75,000; slag and paving gravel, to J. F. Nolen, Jr., 64th St. and Church Lane, $13,900.

Road Oil—Baltimore, Md.—State Rds. Comn., 702,124 gal. road oil, to Atlantic Refining Co., 3144 Passyunk Ave., Phila., $0.11 per gal. Noted March 16.

Subway—Cincinnati, O.—Rapid Transit Comn., City Hall, grading and rein.-con. work for Sect. 6 of Rapid Transit System, from Hopple St. to Mitchell Ave., to Hickey Bros., Canal and Ann Sts., $323,660. Noted April 13.

Road Oil—Minneapolis, Minn.—Hennepin Co., for 250,000 gal. (more or less) asphaltic road oil, to A. Spears & Sons, 63 East South Water St., Chicago, $.0397 per gal. f.o.b. factory (Texas) and $0.777 per gal. f.o.b. Minneapolis. Noted April 6.

Foundations—Lincoln, Neb.—State Capitol Comn., constructing first section of foundations for Nebraska State Capitol Building, to W. J. Assenmacher, North 17th St., $229,773. Noted March 16.

Asphalt and Road Oil—London, Ont.—Yearly supply of asphalt to United States Asphalt Co., 90 West St., New York City; 150,000 gal. road oil, to Imperial Oil Co., 56 Church St., Toronto.

OFFICIAL PROPOSALS

Bids: April 28.

Highway Work

Toms River, N. J.

Notice is hereby given that sealed bids will be received by the County of Ocean for the following:

Construction of Route 4, Section 13, state highway in the Borough of Point Pleasant Beach. Estimated amount of reinforced concrete pavement is 10,146 sq.yd.

Work is to be performed under County Reimbursement Act, Chapter 183, Laws of 1918, and amended by Chapter 317, Laws of 1920.

Bids will be received at the Court House at Toms River, on Friday, April 28, 1922, at 11 a.m.

Drawings, specifications and form of contract and bond for the proposed work are on file in the office of J. M. Abbott, county engineer, at Toms River, N. J., and in the office of the State Highway Department, Trenton, N. J., and may be inspected by prospective bidders. Plans will be furnished on payment of ten dollars ($10) upon application to J. M. Abbott, county engineer. Bids must be made on the standard proposal forms in the manner designated therein and as required by the specifications, enclosed in sealed envelopes, addressed to the Board of Chosen Freeholders of the County of Ocean and bearing the name and address of the bidder and the name and section of the route on the outside. Bid must be accompanied by a certified check drawn to the order of T. B. Oranmer, county treasurer, for not less than ten per cent (10%) of amount of the bid, provided that said certified check shall not be less than $500 nor more than $20,000, and be delivered at the above place on or before the hour named. Copies of the standard proposal form will be furnished on application to J. M. Abbott, county engineer.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications. Each bidder must also accompany his bid with a statement of equipment properly filled out.

By order of a resolution of the Board of Chosen Freeholders of the County of Ocean, passed at a meeting held on April 4, 1922.

D. O. PARKER, Clerk.

Bids: April 25.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned, at their office, No. 55 Lancaster Street, Albany, N. Y., at one o'clock p.m. on Tuesday the 25th day of April, 1922, for the improvement of highways in the following Counties.

CHAUTAUQUA	(one contract)	3.79 miles
DELAWARE	(one contract)	4.36 "
HERKIMER	(one contract)	5.08 "
LIVINGSTON	(one contract)	5.54 "
MADISON	(one contract)	4.58 "
MONTGOMERY	(one contract)	3.00 "
OSWEGO	(one contract)	3.52 "
SCHENECTADY	(one contract)	5.02 "
STEUBEN	(one contract)	3.29 "
TIOGA	(one contract)	3.93 "

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the Division Engineers in whose division the roads are to be improved. The addresses of the Division Engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

STATE COMMISSION OF HIGHWAYS
HERBERT S. SISSON,
Commissioner.

J. C. FINCH,
Secretary.

Bids: April 28.

Road and Bridge Work

Girard, Kan.

Sealed proposals for the construction of Federal Aid Road and Bridge work in Crawford County, Kansas, will be received at the office of the County Clerk at Girard, Kansas, until 11 o'clock a.m., April 28, 1922 and then publicly opened.

The proposed improvement includes the construction of 18 feet wide, One Course Concrete of Monolithic Brick with 5 feet wide earth shoulders on Commercial Highway, Sections A, B and C on Federal Aid Project No. 66 and Sections A, B, C and E, on Federal Aid Project No. 40, and Mulberry Road, Section A, County Project No. 1. The net length of pavement to be constructed is 21.083 miles

Also construction of 18 feet wide Bituminous Macadam, or One Course Concrete with 5 feet wide earth shoulders, on Ringo-Edson Road, Section A, on Federal Aid Project No. 39. The net length of pavement to be constructed is 5.033 miles.

Earthwork and culverts for above projects have been constructed.

Also the construction of four Concrete bridges on Sections D, Project No. 66, as follows:

3-Thru Girders with 30 ft. span.
1-Thru Girder with 2-40 ft. spans.

And the construction of three Concrete bridges on the Mulberry Road, Sections A and B, as follows:

2-Thru Girders with 35 ft. span.
1-Slab with 18 ft. span.

Proposals for road work must be accompanied by a certified check for five per cent of the bid.

Proposals for bridge work must be accompanied by a certified check for amounts shown in official notice.

Detailed information of the work to be done may be had by an examination of the plans and specifications on file in the offices of the County Clerk and County Engineer.

The Board of Commissioners reserve the right to reject any and all proposals and to waive technicalities.

By order of the Board of County Commissioners. March 28, 1922

P. C. TIFFANY,
County Clerk.

Bids: April 25.

Sanitary and Electric Work

Syracuse, N. Y.

Sealed proposals for construction, sanitary and electric work for the Sheep and Swine Building at the New York State Fair Grounds, Syracuse, N. Y., will be received by the State Fair Commission, Syracuse, N. Y., until 10 o'clock a.m. (Standard time), on Tuesday, April 25, 1922, when they will be publicly opened and read. Proposals shall be enclosed in an envelope furnished by the State Architect, sealed and addressed, and shall be accompanied by a certified check in the sum of five per cent (5%) of the amount of proposal. The contractors to whom the awards are made will be required to furnish surety company bond in the sum of fifty per cent (50%) of the amount of the contract within thirty days (30) after official notice of award of contract and in accordance with the terms of specifications Nos. 3896, 3897 and 3898. The right is reserved to reject any or all bids. Drawings and specifications may be examined at the office of the State Fair Commission, Syracuse, N. Y., at the New York office of the Department of Architecture, Room 618, Hall of Records Building, and at the Department of Architecture, Capitol, Albany, N. Y. Drawings, specifications and blank forms of proposal may be obtained at the Department of Architecture, Capitol, Albany, N. Y., upon reasonable notice to and in the discretion of the State Architect, L. F. Pilcher, Capitol, Albany, N. Y.

Dated: March 30, 1922.

New York State Fair Commission.
J. DAN ACKERMAN, Jr.,
Secretary.